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OF THE

ACADEMY OF NATURAL SCIENCES

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OF

P H I L A D E L P H I A.

1877.

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COLLINS, PRINTER.

MEMBERS  
OF THE  
ACADEMY OF NATURAL SCIENCES  
OF  
PHILADELPHIA,

From the foundation of the Society, March 21, 1812, until June 30, 1877.

*66-28 Class 55784*  
Names of members known to be deceased are in *italics*. Names of life members are preceded by an asterisk (\*)—those who are exempt from the payment of all annual dues are styled “life members.”—Names of members who are not residents of the city are followed by the letters (N.R.). Names of those who were originally elected correspondents, and became members by removal to the city, are followed by (corres.). The names of those who have resigned, or who have forfeited their membership, are not included. Correspondents are regarded as members when they become permanent residents in the city.

*Abbott, William S., Feb. 1876.	<i>Ashmead, Samuel B.</i> , Jan. 1843.
<i>Abert, Col. J. J.</i> (N.R.), Oct. 1828.	Ashmead, Walter K. (N.R.), Nov. 1876.
*Adamson, William, Oct. 1874.	Atlee, Walter F., M.D., May, 1857.
*Adamson, Wm. B., Oct. 1874.	Andenried, J. T., June, 1876.
Agnew, Wm. G. E. (N.R.), May, 1853.	*Audenried, Lewis, Feb. 1859.
*Akhurst, John, March, 1876.	Audenried, Wm. G., Jan. 1877.
<i>Alden, Charles Henry</i> , June, 1837.	*Austin, John B., Jan. 1867.
Alexander, J. S., April, 1875.	
*Allen, Harrison, M.D., July, 1862.	<i>Bache, Alex. Dallas</i> (N.R.), Jan. 1829.
<i>Allen, J. M.</i> , M.D., April, 1852.	*Baeder, Charles, Oct. 1874.
Allen, Nathan, M.D., May, 1841.	*Baeder, Charles B., Oct. 1874.
Allen, Wm. H., Aug. 1851.	*Baird, John, May, 1867.
<i>Allinson, N. S.</i> , M.D., Dec. 1812.	*Baird, Matthew, April, 1867.
Andrews, T. H., M.D., May, 1868.	*Baird, S. F. (N.R.) (corres.), Aug. 1842.
*Antelo, A. J., Dec. 1867.	*Baird, Wm. S., Jan. 1867.
<i>Anthony, Thomas</i> , Jan. 1813.	Baker, W. H., M.D., March, 1876.
Ashburner, Charles A., March, 1877.	*Bancker, Charles N., April, 1824.
*Ashhurst, Francis, M.D., March, 1867.	Bannan, D. R., M.D., U.S.N., March, '69.
Ashhurst, John, M.D., Oct. 1860.	Barber, Edwin A., Oct. 1876.
*Ashhurst, Lewis R., May, 1853.	*Barcroft, Stacy B., July, 1855.
*Ashhurst, Samuel, M.D., March, 1867.	Barker, Geo. F., Nov. 1874.
*Ashhurst, Wm. H., Feb. 1861.	Barker, George T., D.D.S., Oct. 1873.
*Ashmead, Samuel, Sept. 1839.	Barker, Wharton, June, 1868.

Barnard, Vincent (N.R.), Sept. 1865.     *Bolles, L. S.*, M.D., June, 1868.  
 \*Barnes, John, M.D. (N.R.), April, 1812.     *Bonaparte, Charles L.* (N.R.), Feb. 1824.  
 \*Barton, Edward, M.D., Aug. 1815.     *Bond, Henry*, M.D., Jan. 1830.  
 \*Barton, Isaac, March, 1855.     *Booth, James C.*, Sept. 1852.  
 \*Barton, Mrs. S. R., Dec. 1873.     *Borden, Edw. P.*, June, 1876.  
*Barton, T. Pennant*, (N.R.), April, 1849.     *\*Borie, Adolph E.*, April, 1867.  
 Baxter, Harry F., M.D., Feb. 1873.     *\*Borie, Beanveau*, April, 1867.  
 \*Bayard, C. P., May, 1867.     *\*Borie, Charles H.*, Feb. 1867.  
 \*Beach, O. Nichols, May, 1867.     *Bowen, George T.*, Nov. 1822.  
 Beadle, Rev. E. R., D.D., Jan. 1866.     *\*Bower, Henry*, April, 1869.  
 \*Beck, Charles F., M.D., June, 1827.     *Bowie, Thomas L.*, Dec. 1835.  
 Beck, Paul, Nov. 1874.     *Bowron, Wm. M.*, March, 1874.  
 Belknap, Henry (N.R.), May, 1849.     *Boyd, John C.*, M.D., U.S.N., Nov. 1875.  
 Bell, John G. (N.R.), May, 1860.     *\*Bradlin, Oliver*, April, 1876.  
 Bellows, Horace M., M.D., Feb. 1867.     *\*Bradner, N. Roe*, M.D., June, 1869.  
 \*Bement, Clarence S., May, 1867.     *Bransford, J. F.*, M.D., U.S.N., Oct. 1872.  
 \*Bement, Wm. B., Jan. 1873.     *\*Brasier, Amable J.*, March, 1856.  
 Bennett, Daniel R. (N.R.), Feb. 1858.     *Bready, John E.*, Sept. 1865.  
 \*Benson, Gustavus S., April, 1867.     *\*Brewer, John M.* (corres.), Oct. 1820.  
 \*Benson, Louis F., Nov. 1876.     *Brewster, William B.*, M.D., April, 1876.  
 Bertholet, P. P., M.D. (N.R.), Mar. 1857.     *\*Bridges, Robert*, M.D., Jan. 1835.  
 \*Betts, Richard K., Dec. 1867.     *Brinton, John H.*, M.D., June, 1851.  
 \*Biddle, Alexander, Aug. 1848.     *Britton, J. Blodget*, Oct. 1870.  
 \*Biddle, Clement, May, 1850.     *\*Brock, John P.*, Sept. 1872.  
 \*Biddle, George, March, 1876.     *Brower, Robt. F.*, M.D. (N.R.), Nov. 1855.  
 \*Biddle, Henry J., Aug. 1852.     *Brown, A. D.* (N.R.), Nov. 1861.  
 \*Biddle, Nicholas, Jan. 1818.     *Brown, Arthur Erwin*, June, 1876.  
 \*Biddle, Thomas, May, 1853.     *\*Brown, David S.*, May, 1853.  
 \*Biddle, Thos. A., March, 1859.     *\*Brown, John A.*, May, 1853.  
 \*Biddle, Thos., Jr., M.D., Jan. 1877.     *\*Brown, Joseph D.*, May, 1853.  
 \*Biddle, William F., Sept. 1873.     *\*Brown, Joseph Johnson*, March, 1858.  
 Billings, J. S., M.D., U. S. A., Nov. 1862.     *\*Brown, Moses*, Feb. 1817.  
 Binney, W. G., Sept. 1856.     *Browne, Peter A.*, May, 1841.  
 Birch, Wm. Y., Dec. 1823.     *\*Browning, Edward*, June, 1865.  
 Birkinbine, John, March, 1869.     *Bryant, Henry*, M.D. (N.R.), May, 1865.  
 Bissel, W. S., Oct. 1874.     *Buckingham, T. L.*, May, 1868.  
 \*Blake, Charles A., Feb. 1876.     *Buckley, Ed. S.*, May, 1852.  
 \*Blanchard, Wm. A., April, 1867.     *\*Bucknell, Rufus*, Jan. 1868.  
 Bland, Jas. H. B. (N.R.), Jan. 1866.     *\*Bucknell, Wm.*, March, 1861.  
 \*Blight, Atherton, July, 1858.     *\*Budd, Chas. H.*, M.D. (N.R.), Mar. 1852.  
 Boardman, Rev. Geo. D. April, 1866.     *\*Budd, John B.*, June, 1859.  
 Bodine, F. L., Feb. 1867.     *\*Bullock, Benj.*, April, 1868.  
 Bodley, Rachel L., Feb. 1871.     *Bullock, Charles*, May, 1868.  
 \*Bohlen, John, Feb. 1859.     *\*Burk, Isaac*, Dec. 1865.  
 \*Bohlen, Miss, March, 1867.     *\*Burrough, Marmaduke*, M.D., Nov. 1830.  
 Boker, Chas. S., M.D., June, 1866.     *Butcher, H. B.*, M.D. (N.R.), June, 1866.  
 Boller, Henry J., April, 1852.     *Butler, Pierce*, Aug. 1858.

Cadwalader, Wm., March, 1855.  
*Culdeleigh, Robert A.*, Nov. 1851.  
*Caldwell, H. C.*, M.D., U. S. N., Nov. 1857.  
\**Caldwell, James E.*, Feb. 1868.  
\**Camac, Wm.*, M.D., April, 1852.  
*Cumac, Wm. M.*, March, 1839.  
\**Campbell, A.*, April, 1867.  
\**Canby, Wm. M. (N.R.)*, Dec. 1860.  
*Carbonell, Felix B. (N.R.)*, Dec. 1860.  
\**Carmalt, Caleb (N.R.)*, Aug. 1817.  
\**Carpenter, Geo. W.*, July, 1825.  
\**Carpenter, Geo. W., Jr.*, Oct. 1860.  
*Carpenter, L. Henry*, Major, June, 1866.  
\**Carpenter, Samuel P.*, Feb. 1867.  
*Carson, Joseph*, M.D., Oct. 1833.  
*Carter, John E.*, June, 1868.  
*Cassin, C. L.*, M.D., U. S. N., July, 1869.  
\**Cassin, John*, Sept. 1842.  
*Castle, Wm. H.*, March, 1875.  
*Chapman, H. C.*, M.D., April, 1868.  
*Chase, Heber*, M.D., Aug. 1836.  
*Chase, Pliny E.*, May, 1876.  
*Chatard, Thos. M.*, Nov. 1872.  
\**Cheston, D. Murray*, M.D., May, 1867.  
\**Childs, Geo. W.*, Jan. 1866.  
\**Claghorn, C. Eugene*, June, 1873.  
\**Claghorn, James L.*, July, 1852.  
\**Clark, Clarence H.*, May, 1867.  
\**Clark, Edward (N.R.)*, Jan. 1817.  
\**Clark, E. W.*, May, 1867.  
\**Clark, Frank H.*, May, 1867.  
\**Clark, J. Hinckley*, March, 1859.  
\**Clark, John Y.*, M.D., Feb. 1826.  
*Clark, L. S.*, M.D., Sept. 1873.  
*Clark, T. Edwards (N.R.)*, Dec. 1858.  
\**Clarke, Edw. S.*, Jan. 1858.  
\**Clay, Joseph A.*, Aug. 1837.  
*Cleaver, Isaac*, M.D., Jan. 1817.  
*Cleborne, C. J.*, M.D., U. S. N., July, 1860.  
*Cleburne, Wm. (N.R.)*, March, 1857.  
*Clements, Richard*, M.D., July, 1855.  
*Clemm, Charles (N.R.)*, Oct. 1847.  
\**Clyde, Thomas*, May, 1867.  
*Coates, Andrew (N.R.)*, May, 1860.  
\**Coates, Benj. H.*, M.D., April, 1818.  
\**Coates, Isaac T.*, M.D., Sept. 1876.  
*Cochran, George*, March, 1875.  
*Coleman, Geo. Dawson*, April, 1858.  
*Coles, John M.*, M.D., U. S. N., May, 1874.  
\**Collet, Mark W.*, Sept. 1852.  
*Collier, David L.*, Nov. 1870.  
\**Collins, Zaccheus*, March, 1815.  
\**Colwell, Stephen*, Feb. 1867.  
*Comegys, Benj. B.*, March, 1867.  
*Comegys, Walter D.*, May, 1870.  
*Comly, Franklin A.*, Feb. 1860.  
*Comly, Isaac*, M.D., June, 1868.  
\**Conarroe, Geo. M.*, Feb. 1861.  
\**Conrad, Solomon W.*, March, 1826.  
*Conrad, Thomas K. (N.R.)*, Feb. 1861.  
*Conrad, Timothy A.*, Jan. 1831.  
*Cook, John E.*, May, 1877.  
\**Cooke, Jay*, May, 1867.  
*Cooke, John*, Jan. 1848.  
\**Cooper, Lewis*, March, 1867.  
\**Cope, Alfred*, July, 1856.  
*Cope, Caleb*, Jan. 1848.  
*Cope, Edward D.*, July, 1861.  
*Cope, Francis R.*, Feb. 1867.  
*Cope, Miss R. A.*, Feb. 1867.  
*Cope, Thomas P.*, Feb. 1867.  
*Corlies, S. Fisher*, May, 1868.  
*Correa de Serra, Joseph*, Feb. 1814.  
*Corse, James M.*, M.D., Nov. 1852.  
*Covey, Edw. N.*, M.D. (N.R.), Dec. 1857.  
*Cox, James S.*, June, 1859.  
*Coxe, Alexander S.*, Feb. 1815.  
\**Coxe, Brinton*, Dec. 1859.  
*Coxe, Charles S.*, April, 1867.  
*Coxe, Eckley B.*, Jan. 1865.  
*Craig, Andrew C.*, May, 1877.  
*Cram, Gen'l F. J.*, Oct. 1859.  
*Cramp, C. H.*, June, 1876.  
\**Crease, Orlando*, May, 1867.  
*Cresson, Caleb*, Feb. 1871.  
*Cresson, Chas. Caleb*, Sept. 1840.  
\**Cresson, Ezra T.*, April, 1858.  
\**Cresson, John C.*, April, 1853.  
*Cross, C. W.*, Jan. 1877.  
\**Crozer, John P.*, March, 1862.  
*Cruice, Robert B.*, M.D., Dec. 1874.  
*Cruice, Wm. B.*, M.D., Jan. 1876.  
*Cuesta, Fernando de la (N.R.)*, Nov. 1844.  
\**Cummins, Daniel B.*, June, 1857.

Curtin, Roland G., M.D., Nov. 1871. *Dunlap, Thomas*, Dec. 1856.  
 Curtis, Edw., M.D. (N.R.), July, 1863. *Dunn, Nathan* (corres.), June, 1828.  
 Curtis, Josiah (N.R.), June, 1843. *Durand, Elias*, April, 1852.  
 \*Cuyler, Theodore, Feb. 1869. *Durborrow, Chas. B.*, March, 1866.  
 \*Da Costa, J. C., M.D., Feb. 1852. *\*Dutilh, Charles*, Oct. 1874.  
 Da Costa, John C., Jr., June, 1857. *Dutton, Clar. Ed.*, Lt. U. S. A., Feb. 1871.  
*Da Costa, John C., Sr.*, June, 1857. *\*Earp, Thomas*, March, 1867.  
 Dallam, David E., Nov. 1874. *Eastwick, Edward P.* (N.R.), May, 1857.  
 Darby, John T., M.D. (N.R.), March, 1859. *Eberle, John*, M.D., April, 1819.  
 Darlington, Wm. M. (N.R.), Nov. 1868. *\*Eckfeldt, John*, M.D., March, 1876.  
 Darrach, Jas. A., M.D., Nov. 1858. *\*Eckstein, H. C.*, M.D., U. S. N., June, 1873.  
*Darrach, Wm.*, M.D., May, 1844. *\*Edwards, Amory* (N.R.), March, 1852.  
*Davids, Hugh*, Dec. 1866. *Edwards, Arthur M.* (N.R.), Sept. 1858.  
 \*Davidson, Geo., Aug. 1858. *\*Edwards, Edward B.*, Jan. 1867.  
 Davis, Chas., M.D. (N.R.), March, 1842. *Edwards, J. Warner*, May, 1875.  
*Davis, David Jones*, June, 1815. *Egbert, Daniel*, M.D., U. S. N., October, 1858.  
*Davis, John C.*, June, 1859. *Eisenbrey, W. Harrison*, March, 1870.  
 Davis, William M., Jr., Oct. 1875. *\*Ellet, Chas.*, Jr., April, 1842.  
 Day, Richard H., Nov. 1871. *Elliot, D. G.* (N.R.), May, 1860.  
*De Figaniere, Alfonso* (N.R.), Mar. 1866. *\*Ellmaker, Levi*, April, 1829.  
*\*Deitz, Rudolph*, Jan. 1821. *Elwyn, Alfred L.*, M.D., Dec. 1831.  
 \*Dickeson, M. W., M.D., Oct. 1846. *Emerson, G.*, M.D., Aug. 1853.  
 \*Dickey, Rev. Charles A., April, 1876. *Emlen, Harry*, June, 1869.  
*Dickson, S. Henry*, M.D. (cor.), Feb. 1843. *Emlen, J. Norris*, April, 1859.  
*\*Diffenbaugh, E.*, Deo. 1865. *Endlich, Frederick W.* (N.R.), June, 1871.  
*\*Dimpfel, F. P.*, April, 1858. *Eugland, James B.*, July, 1875.  
*\*Dixon, George B.*, March, 1876. *\*Eunis, Jacob*, Feb. 1857.  
*\*Dobson, Judah*, Nov. 1813. *\*Erben, Peter C.*, April, 1873.  
*Dock, Geo.*, M.D. (N.R.), Feb. 1854. *Evans, Edm. C.*, M.D. (N.R.), Oct. 1838.  
*\*Dougherty, James*, Oct. 1874. *Evans, Rowland E.*, Nov. 1860.  
*\*Dougherty, Wm. H.*, Nov. 1870. *Fagan, Hugh I.*, Jan. 1875.  
*Dow, John M.* (N.R.), Sept. 1858. *\*Fahnestock, Geo. W.*, Aug. 1852.  
*Downie, T. C.* (N.R.), Aug. 1859. *Farnum, J. Edwards*, Jan. 1867.  
*Doyle, John*, Sept. 1872. *\*Farnum, John*, May, 1853.  
*\*Draper, Edmund*, May, 1853. *\*Fell, J. G.*, May, 1853.  
*Drayton, Henry E.*, M.D., April, 1858. *Feltus, Henry J.*, Nov. 1859.  
*\*Dreer, Ferdinand J.*, April, 1857. *Fenimore, Jason L.*, June, 1866.  
*\*Drexel, Jos. W.*, June, 1860. *Field, Thos. Y.* (N.R.), Aug. 1859.  
*Drown, T. M.*, M.D., May, 1872. *Fiot, Augustus*, Jan. 1864.  
*Ducachet, Rev. H. W.*, D.D., April, 1852. *Fischer, Emil*, M.D., Nov. 1868.  
*\*Dulles, Joseph H.*, Feb. 1816. *\*Fisher, Charles Henry*, May, 1853.  
*Dulty, William*, Feb. 1869. *Dunglison, Richard A.*, M.D., May, 1874. *Fisher, Ellicott*, April, 1875.  
*Dundas, Jas.*, Aug. 1844. *\*Dunglison, Robley*, M.D., Jan. 1853. *\*Fisher, Harvey*, June, 1876.  
*Dunglison, Thos. R.*, M.D., April, 1872. *Fisher, Henry M.*, M.D., Jan. 1876.

\*Fisher, Jas.C., M.D. (N.R.), July, 1850. Givin, R. M., M.D., Dec. 1874.  
 \*Fisher, J. Francis, May, 1853. Gobrecht, W. H., M.D. (N. R.), July, 1856.  
 \*Fisher, Joseph, May, 1821. Goddard, Kingston, Rev. (N.R.), Jan. 1848.  
 Fisher, Thomas, April, 1824. Goddard, Kingston G., M.D., April. 1873.  
 \*Fittler, Edwin H., M.D., Jan. 1876. Goddard, Paul B., M.D., Feb. 1829.  
 Fogg, Isaac S., April, 1869. \*Godey, Louis A., May, 1874.  
 Foltz, Jonathan, M.D., U.S.N., May, 1859. Godman, John D., M.D., July, 1821.  
 \*Foote, Albert E., M.D., July, 1876. \*Goldsmith, Edward, Jan. 1868.  
 Ford, John, Dec. 1866. Goodman, Henry Ernest, M.D., Jan. 1877.  
 Forwood, W. H., M.D., U. S. A., Oct. 1876. Gorgas, Albert C., M.D., U. S. N., Feb. '57.  
 Foster, Hudson S., Jan. 1834. Gowen, F. B., April, 1872.  
 Foster, Wm. A., Nov. 1833. \*Graeff, John E., Feb. 1866.  
 Foulke, Wm. Parker, Nov. 1849. \*Graff, Frederic, May, 1853.  
 \*Fox, Joseph M., Dec. 1873. \*Graham, Mrs. Elizabeth V., Oct. 1874.  
 \*Fox, Wm. Logan, Jan. 1873. \*Grant, Gen. Ulysses S., July, 1865.  
 Frampton, L. A., M.D. (N.R.), Sept. 1859. Grant, Wm. Robertson, M.D., Dec. 1849.  
 Francfort, Eug., M.D. (N.R.), Oct. 1856. \*Grant, Wm. S., Dec. 1866.  
 -Frazer, John F., Sept. 1835. \*Gratz, Robert H., April, 1867.  
 \*Frazer, Persifor, Jr., May, 1869. \*Greble, Edwin, Jan. 1867.  
 \*Frazer, Robert, Jan. 1866. Greenbank, Richard M., M.D., Oct. 1859.  
 \*Frazier, Robert, April, 1814. \*Greene, F. V., M.D., U. S. N., Sept. 1852.  
 \*Freedly, Wm. G., April, 1872. \*Greene, Stephen, Sept. 1875.  
 Fricke, Albert, M.D., Nov. 1859. Greer, James, March, 1869.  
 \*Frost, John, Sept. 1844. Grier, Wm. P., M.D., June, 1859.  
 Fry, Horace B. (N.R.), Dec. 1859. Griffith, J. P. Crozer, Feb. 1876.  
 Fry, J. Reese, Jan. 1857. Griffith, R. Egglefield, M.D., May, 1815.  
 \*Furness, H. H., Nov. 1861. \*Griffith, Robert E., Sept. 1852.  
 Gabb, Wm. M. (N.R.), Jan. 1860. Griffith, Robt. E., M.D., Oct. 1856.  
 Gambell, Wm., M.D., Aug. 1843. \*Grigg, John, May, 1853.  
 \*Garrett, Philip C., Feb. 1866. Griscom, Samuel S., Nov. 1830.  
 Garrigues, S. S., M.D. (N.R.), June, 1856. Gross, Sam'l. D., M.D., Dec. 1856.  
 Genth, Fred. A., M.D., April, 1852. Grubb, Edw. Burd (N.R.), April, 1860.  
 Gentry, Thos. G., Sept. 1870. \*Guex, John A., Nov. 1854.  
 \*Gerhard, Wm. W., M.D., Nov. 1835. Guier, George, M.D. (N.R.), June, 1866.  
 Germain, Lewis J. (N.R.), April, 1846. Guillou, Constant, March, 1854.  
 Gibbons, Charles, Jan. 1867. Guillou, Victor, Oct. 1858.  
 Gibbons, Wm. P. (N.R.), Nov. 1833. Gumbes, Sam. Wetherill, April, 1834.  
 Gibbs, George, (N.R.), Jan. 1856. Gumbes, Wm. H., May, 1870.  
 \*Gibson, Henry C., July, 1867. Gutekunst, Frederick, June, 1871.  
 \*Gibson, John, July, 1867. \*Haddock, Daniel, Jr., May, 1866.  
 \*Gibson, Miss Rebecca, March, 1875. \*Haehnlen, Lewis, April, 1873.  
 Gihon, A. L., M.D., U. S. N., Dec. 1871. Hagedorn, C. F., Aug. 1855.  
 Gilbert, Wm. K., M.D., May, 1866. \*Haines, Miss Ann, Feb. 1867.  
 \*Gilliams, J., M.D. (found.), Jan. 1812. \*Haines, Miss Jane R., Feb. 1867.  
 Gillingham, Joseph E., May, 1872. \*Haines, John S., March, 1841.  
 Gillis, J. P., Commodore U.S.N., Nov. '71. \*Haines, Reuben, Nov. 1813.

- \*Haines, Renben, May, 1874.
- \*Haines, Robt. B., Jan. 1848.
- Haldeman, Rich. J. (N.R.), Aug. 1857.
- \*Haldeman, S. S. (N.R.), Jan. 1837.
- Hall, Augustus R., April, 1873.
- Hall, Charles E., Feb. 1875.
- Hallowell, Caleb S.*, Jan. 1869.
- \**Hallowell, Edw.*, M.D., Feb. 1834.
- \*Hallowell, Morris L., May, 1853.
- \**Halsey, Wm. S.*, M.D., April, 1857.
- Hamilton, Hugh, M.D. (N.R.), May, 1874.
- \*Hammitt, B., June, 1867.
- \*Hand, James C., July, 1860.
- Hanson, H. Cooper*, Feb. 1853.
- Hare, H. Binney, M.D., Aug. 1867.
- \**Hare, Robert*, M.D., Nov. 1813.
- Hare, Robt. H., Feb. 1859.
- Hargadine, R. W., M.D. (N.R.), May, 1868.
- \**Harlan, Richard*, M.D., Oct. 1815.
- Harlow, Louis D., M.D., Aug. 1857.
- Harmar, James Lanman, Aug. 1869.
- \**Harris, Edward* (N.R.), Aug. 1835.
- \**Harrison, Joseph, Jr.*, Aug. 1854.
- Harrison, Theodore L., Feb. 1870.
- Hart, Harry C., M.D., March, 1858.
- Hartman, John M., Feb. 1873.
- \**Hartshorne, Cbas.*, Feb. 1866.
- Hartshorne, Edw., M.D., May, 1847.
- Hartshorne, H., M.D. (N.R.), April, 1855.
- \**Haseltine, Frank*, May, 1867.
- \**Haseltine, John*, April, 1859.
- \**Haseltine, Ward B.*, April, 1859.
- Hassler, F. A., M.D., 1867.
- \**Hawkins, B. Waterhouse*, Aug. 1868.
- \**Hay, William*, April, 1867.
- Hayden, F. V., M.D. (corres.), Mar. 1856.
- \**Hayes, Isaac I.*, M.D. (N.R.), Jan. 1856.
- \**Hays, Isaac*, M.D., July, 1818.
- \**Hazard, Joseph P.*, Nov. 1872.
- Hazard, Saml.* (corres.), Jan. 1814.
- Heerman, Adolphus L.*, M.D., April, 1845.
- Heger, Anthony, M.D. (N.R.), Feb. 1867.
- Helfenstein, J. S., June, 1876.
- \**Hembel, William*, Sept. 1824.
- Henderson, A. A.*, M.D., U. S. N. (cor.), July, 1848.
- \**Henszey, George C.*, March, 1869.
- \**Henszey, W. C.*, Jan. 1859.
- Hentz, N. M.* (N.R.), May, 1819.
- Hepburn, Jas. (N.R.), June, 1863.
- \**Hering, C.*, M.D. (corres.), Oct. 1826.
- Hering, C. J. (N.R.), Sept. 1855.
- Hess, Robert, M.D., May, 1876.
- \**Heuston, Geo.* (N.R.), March, 1870.
- \**Hewson, Addinell*, M.D., Jan. 1853.
- Hibler, W. Grier*, Nov. 1871.
- Hiester, J. P.*, M.D. (N.R.), Nov. 1843.
- Hilgard, T. C., M.D. (N.R.), Oct. 1854.
- Hinkle, A. G. B., M.D., Sept. 1867.
- \**Hockley, Mrs. Amelia D.*, Oct. 1874.
- \**Hockley, Thomas*, May, 1874.
- \**Hoffman, C. J.*, Sept. 1873.
- Hoffman, W. I., M.D., Nov. 1874.
- Holman, D. Shepherd, May, 1872.
- \**Holmes, Chas.*, Feb. 1838.
- Holt, J. F., M.D., June, 1868.
- Hooper, Wm. H., M.D., Dec. 1854.
- \**Hoopes, B. A.*, Feb. 1856.
- Hoopes, Josiah, April, 1866.
- Hopkinson, Joseph*, M.D., Feb. 1852.
- \**Horn, Geo. H.*, M.D., July, 1866.
- Horn, Wilbur F. (N.R.), Dec. 1869.
- \**Horner, Wm. E.*, M.D., Feb. 1849.
- Hornor, Ellen, May, 1870.
- \**Horstman, F. Oden*, May, 1875.
- \**Horstmann, Wm. J.*, Dec. 1863.
- \**Houston, H. H.*, April, 1867.
- Howell, Rev. J. B. (N.R.), Sept. 1873.
- Howell, Saml. B., M.D., Nov. 1855.
- Huffnagle, Chas.*, M.D. (N.R.), Nov. 1830.
- Hugel, A. (N.R.), Sept. 1865.
- Humphrey, H. C., Dec. 1875.
- Humphrey, Rev. Z. M., Nov. 1869.
- \**Humphreys, Geo. A.*, Sept. 1855.
- \**Hunt, J. Gibbons*, M.D., July, 1858.
- Hunt, Wm., M.D., Jan. 1855.
- \**Hunter, Chas. T.*, M.D., Jan. 1870.
- \**Huston, Samuel*, May, 1866.
- \**Hutchinson, Jas. H.*, M.D., April, 1858.
- \**Hutchinson, J. Pemberton*, May, 1853.
- Jackson, Isaac R.*, Aug. 1841.
- James, Bushrod W., M.D., Oct. 1870.

\*James, Thos. C., M.D., March, 1814. King, Wm. M., M.D. (N.R.), Oct. 1863.  
 Janeway, J. H., M.D. (N.R.), Sept. 1858. King, Wm. S., M.D. (N.R.), July, 1863.  
 Janney, Nathaniel E., April, 1873. Kingsbury, Chas. A., M.D., March, 1860.  
 \*Jaudon, Samuel (N.R.), Jan. 1836. \*Kingsley, I. E., May, 1874.  
 Jayne, Eben C., Dec. 1866. *Kinsman, Chas. W.*, Feb. 1865.  
 \*Jayne, Horace F., Feb. 1876. *Kitchen, J. S.*, M.D., U. S. N., June, 1858.  
 \*Jeanes, Miss Anna T., May, 1875. \*Klett, Frederick, Dec. 1865.  
 \*Jeanes, Joseph, May, 1853. \*Kneass, Wm., May, 1814.  
 \*Jeanes, Joshua T., Dec. 1866. *Kneeland, S., Jr.*, M.D. (N.R.), May, 1858.  
 \*Jeanes, Miss Mary, May, 1875. \*Knight, Edw. C., May, 1867.  
 \*Jeanes, Samuel, Jan. 1856. Knight, J. B., Nov. 1875.  
 Jefferis, Wm. W., Nov. 1874. \*Knight, J. Frank, Feb. 1863.  
 Jenkins, Wilson M. (N.R.), Jan. 1867. Koenig, George A., M.D., Nov. 1872.  
 \*Jenks, Wm. P., Feb. 1871. Krauth, C. P., Nov. 1872.  
 \*Jessup, Alfred D., April, 1872. \*Krider, John, March, 1859.  
 \*Jessup, Augustus E., Nov. 1818. \*Laing, Henry M., June, 1876.  
 \*Jessup, Edw. A., Nov. 1857. \*Lambert, John, Nov. 1846.  
 Johnson, Christopher (N.R.), Dec. 1858. Lamborn, R. H., May, 1857.  
 Johnson, Walter R. (N.R.), Feb. 1827. *Land, John* (N.R.), May, 1836.  
 Johnstone, Alex., March, 1860. *Lang, Edmund*, M.D., April, 1853.  
 \*Jones, Jacob P., March, 1875. Langstroth, Rev. L. L. (N.R.), Sept. 1851.  
 Jones, Thos. P., M.D., Dec. 1812. \*Lankenau, Frank W., Dec. 1873.  
 \*Jordan, John, Jr., Jan. 1851. \*Lea, H. C., Feb. 1848.  
 Judson, Oliver A., M.D., Oct. 1858. \*Lea, Isaac, LL.D., June, 1815.  
 Justice, A. R., June, 1876. *Lea, John*, May, 1815.  
 Kane, Elisha K., Jan. 1843. \*Lea, Joseph, June, 1852.  
 Kane, John K., M.D. (N.R.), April, 1859. \*Lea, M. Carey, Sept. 1847.  
 Keagy, J. M., M.D., Jan. 1843. \*Lea, Thos. T., May, 1853.  
 \*Keating, Wm. H., April, 1816. *Le Conte, John* (corres.), Feb. 1815.  
 \*Keating, Wm. V., M.D., Jan. 1853. \*Le Conte, J. L., M.D. (corres.), Feb. 1845.  
 \*Keehmle, Wm. C., March, 1866. Leeds, Albert R. (N.R.), Dec. 1866.  
 Keen, Wm. W., Jr., M.D., April, 1867. Leeds, Josiah W., Dec. 1867.  
 Keffer, Fred. A., M.D. (N.R.), Nov. 1864. Leffman, Henry, M.D., Sept. 1872.  
 Keim, Geo. De B., Jan. 1874. \*Leidy, Joseph, M.D., July, 1845.  
 Keim, Geo. M. (N.R.), July, 1852. Leisenring, John, Oct. 1874.  
 Keller, Wilhelm, M.D., Nov. 1848. \*Lejee, Wm. R., Feb. 1848.  
 Kelly, Howard A., July, 1875. \*Lennig, Francis, July, 1851.  
 Kendall, Prof. E. Otis, March, 1860. \*Lennig, Nicholas, Jan. 1875.  
 \*Kenderdine, Robt. S., M.D., May, 1866. \*Lenning, Chas., Oct. 1847.  
 \*Kennedy, Elias D., Aug. 1867. Lesley, J. P., June, 1853.  
 Kennicott, R. (corres., N.R.), April, 1858. \*Lesueur, Chas. A., Jan. 1818.  
 Kern, Benj. J., M.D., Sept. 1847. Letterman, J. C., M.D. (N.R.), Jan. 1859.  
 Kern, Edward M. (N.R.), Oct. 1847. Levick, James J., M.D., Jan. 1867.  
 Kern, Richard H., May, 1847. \*Lewis A. J., May, 1853.  
 \*Kilvington, Robert, April, 1843. \*Lewis, Chas. S., April, 1866.  
 King, Chas. R., M.D., June, 1843. Lewis, Edward, March, 1868.

- \**Lewis, Elisha J.*, M.D., July, 1846.
- \**Lewis, Francis W.*, M.D., Oct. 1849.
- \**Lewis, Geo. T.*, Dec. 1863.
- Lewis, Grace Anna*, May, 1870.
- \**Lewis, Henry C.*, March, 1875.
- \**Lewis, John T.*, March, 1876.
- Lewis, Richard A.*, Nov. 1871.
- Lewis, Samnel*, M.D., Oct. 1855.
- \**Lewis, Samuel G.*, Sept. 1875.
- \**Lewis, Saunders*, March, 1859.
- Leypoldt, F. (N.R.)*, March, 1862.
- \**Lilly, William*, March, 1874.
- \**Lippincott, Joshua*, April, 1859.
- \**Lippincott, Joshua B.*, June, 1853.
- \**Little, Amos R.*, March, 1866.
- \**Little, James H.*, April, 1867.
- \**Livezey, John*, Feb. 1867.
- \**Logan, J. Dickinson*, M.D., Mar. 1853.
- \**Long, Mrs. E. P.*, March, 1867.
- Longstreth, Joshua*, June, 1815.
- \**Longstreth, Wm. W.*, Feb. 1860.
- Loreuz, W.*, Feb. 1863.
- \**Lovering, Jos. S., Jr.*, Feb. 1867.
- \**Lovering, Joseph S.*, May, 1853.
- \**Ludlow, John L.*, M.D., Nov. 1847.
- \**Lukens, Isaiah*, June, 1812.
- Luther, Diller*, M.D. (N.R.), Oct. 1854.
- Lyman, Benj. Smith (N.R.)*, Ang. 1865.
- \**Macalester, Charles*, Jan. 1873.
- \**McAllister, Jas. W.*, Feb. 1876.
- M'Allister, John, Jr.*, June, 1856.
- McAllister, W. Mitchell*, Nov. 1868.
- M'Call, Gen. G. A. (corres.)*, June, 1847.
- McCanles, John*, April, 1859.
- M' Clellan, J. H. B.*, M.D., Nov. 1847.
- \**McClure, Wm.*, July, 1812.
- McCombs, R. S.*, M.D., Nov. 1875.
- McCook, Rev. H. C.*, Aug. 1875.
- \**McCreary, Geo. D.*, Dec. 1874.
- \**McCreary, I. Elmore*, Dec. 1874.
- \**McCreary, J. B.*, May, 1865.
- Macdowell, William G.*, Oct. 1874.
- MEuen, Chas.*, Dec. 1834.
- McEuen, Chas. Izard*, June, 1858.
- \**M' Euen, Thos.*, M.D., May, 1818.
- Macfarlane, Andrew, A.M.*, Sept. 1873.
- Macfarlane, Charles W.*, Jan. 1874.
- Macfarlane, John J.*, April, 1873.
- McGrath, John M.*, M.D., May, 1875.
- McGuire, Jas. C. (N.R.)*, April, 1857.
- \**McIntyre, Archibald*, Feb. 1871.
- \**McKean, H. Pratt*, April, 1867.
- \**McKean, Wm. V.*, Jan. 1875.
- \**Mackellar, Thos.*, March, 1877.
- McLaughlin, John*, Feb. 1871.
- \**Maclare, Alexander*, Dec. 1840.
- M' Michael, Wm.*, June, 1850.
- McQuillen, J. H.*, M.D., Oct. 1865.
- \**Mactier, Wm. L.*, Jan. 1860.
- \**Magarge, Charles*, April, 1867.
- \**Magee, Horace*, Dec. 1867.
- \**Magee, J. Ronaldson*, Dec. 1867.
- Maisch, John M.*, March, 1864.
- \**Mann, C. M. (founder)*, Jan. 1812.
- \**Markland, John H.*, May, 1839.
- Marsh, Benj. V.*, April, 1857.
- \**Marshall, Benj.*, Feb. 1867.
- \**Marshall, Richard M.*, Feb. 1867.
- \**Martin, Geo.*, M.D., April, 1857.
- \**Martin, Jas. S.*, Feb. 1870.
- \**Martin, John S.*, March, 1876.
- Martindale, Isaac C.*, June, 1876.
- Martindale, Jos. C.*, M.D., Jan. 1863.
- \**Mason, James S.*, March, 1875.
- \**Massey, William*, May, 1873.
- Matthews, Chas. W.*, Oct. 1867.
- \**Maule, Daniel*, Oct. 1874.
- Maury, F. F.*, M.D., May, 1868.
- Mayburry, Wm.*, M.D., Oct. 1866.
- \**Mead, Theodore L. (N.R.)*, March, 1876.
- \**Meade, Maj. Gen. Geo. C.*, July, 1865.
- Mears, J. Ewing*, M.D., Nov. 1870.
- \**Meehan, Thos.*, March, 1860.
- \**Meichel, John*, March, 1876.
- \**Meigs, Jas. Aitken*, M.D., April, 1852.
- \**Meigs, J. Forsyth*, M.D., April, 1852.
- \**Mercer, Singleton A.*, May, 1853.
- \**Merrick, J. Vaughan*, April, 1854.
- \**Merrick, Saml. V.*, May, 1853.
- \**Messchert, M. H.*, June, 1854.
- Mickle, Andrew E.*, M.D., June, 1831.
- Mifflin, Geo.*, March, 1835.
- Miller, Adolph W.*, Aug. 1875.

\*Miller, Andrew H., Dec. 1871.  
*Miller, Clement S.*, Dec. 1836.  
 Miller, E. Spencer, May, 1862.  
 \*Miller, Jos. W., May, 1872.  
 Milliken, Jas., March, 1863.  
 Millikin, George, July, 1875.  
 Mills, Chas. K., M.D., Oct. 1870.  
*Minturn, Edw.*, M.D., Oct. 1857.  
 \*Miskey, Wm. F., April, 1872.  
 Mitchell, Ed. Craig (N.R.), July, 1860.  
 \*Mitchell, I. E., Oct. 1874.  
 \*Mitchell, John K., M.D., July, 1822.  
 Mitchell, S. Weir, M.D., Sept. 1853.  
 Monks, Sarah P., Sept. 1872.  
 Monnier, Alfred (N.R.), Aug. 1856.  
 Montgomery, John T., Jan. 1877.  
 Moore, Alfred, Feb. 1873.  
 \*Moore, Andrew M., July, 1867.  
 \*Moore, B. H., April, 1872.  
 \*Moore, B. H., Mrs., April, 1872.  
*Moore, Francis*, M.D., May, 1860.  
 Moore, Gideon E., Ph.D., Nov. 1872.  
*Moore, J. G.*, July, 1866.  
 \*Moore, Saml., M.D., Nov. 1855.  
 \*Moorhead, Wm. G., Dec. 1867.  
 \*Mordecai, E. R., M.D. (N.R.), May, 1860.  
 Morehouse, Geo. R., M.D., Aug. 1856.  
 \*Morris, Elliston P., Nov. 1875.  
 Morris, Galloway C., May, 1874.  
 \*Morris, Henry, March, 1862.  
 \*Morris, Henry G., Feb. 1868.  
 \*Morris, Israel, April, 1867.  
 \*Morris, Jacob G., April, 1852.  
 \*Morris, J. Cheston, M.D., Oct. 1854.  
 Morris, John T., April, 1870.  
 \*Morris, Mrs. Levi, April, 1873.  
 \*Morris, Marygaretta H., Sept. 1859.  
 \*Morris, P. P., May, 1872.  
 \*Morris, Stephen, Feb. 1868.  
 \*Morris, Theo. H., May, 1867.  
 \*Morris, Wistar, April, 1867.  
 \*Morton, Samuel C., March, 1867.  
 \*Morton, Saml. Geo., M.D., April, 1820.  
 Morton, Thos. Geo., M.D., Aug. 1856.  
*Moss, Theo. F.*, June, 1845.  
 Muckle, Alexauder, M.D., Jan. 1875.  
 Muhlenberg, Henry A. (N.R.), Jan. 1874.

Munzinger, Pierre, March, 1876.  
*Mütter, Thos. D.*, M.D., July, 1833.  
 \*Myers, John B., May, 1853.  
 Nancrede, Charles B., M.D., June, 1869.  
 \*Neall, Daniel, Dec. 1873.  
 \*Nebinger, A., M.D., July, 1866.  
*Neff, Chas.*, M.D., April, 1858.  
 Neuman, Joseph, Sept. 1873.  
*Newbold, Thos.*, M.D. (N.R.), Nov. 1854.  
*Newkirk, Matthew*, Nov. 1867.  
 \*Nichols, Gustavus A., March, 1871.  
 \*Nolan, Edw. J., M.D., April, 1867.  
*Norris, Geo. W.*, M.D., May, 1858.  
 \*Norris, Herbert, M.D., May, 1868.  
 \*Norris, Isaac, M.D., Jan. 1861.  
 \*Norris, Octavus A., Oct. 1849.  
 \*Norris, Thaddeus, May, 1858.  
 \*Norris, Wm., Jr., Dec. 1830.  
 \*Norris, Wm. F., M.D., May, 1858.  
 Ogden, Jas. A., M.D., Nov. 1871.  
 O'Neil, T. Warren (N.R.), Feb. 1871.  
 \*Ord, George, Sept. 1815.  
*Orne, Jas. H.*, Dec. 1865.  
 Owen, A. M., M.D., U. S. N., Oct. 1874.  
 Packard, John H., M.D., Nov. 1856.  
 \*Page, Joseph F., April, 1867.  
*Page, Wm. Byrd*, M.D., April, 1853.  
 \*Pancoast, Jos., M.D., Dec. 1847.  
 Pancoast, Wm. H., M.D., Sept. 1870.  
 \*Parke, Thomas E., M.D., Nov. 1871.  
 \*Parker, Chas. F., Aug. 1865.  
 \*Parmentier, N. S. (founder), Jan. 1812.  
 Parrish, Charles, Oct. 1874.  
*Parrish, Edward*, Prof., Dec. 1860.  
 \*Parrish, Jas. C., March, 1866.  
*Parrish, Wm. D.*, May, 1858.  
 Patterson, Francis E., Jan. 1859.  
 Patterson, J. M., Jan. 1875.  
 \*Patterson, Joseph, Feb. 1867.  
 \*Patterson, R. M., M.D., Jan. 1816.  
 Paul, Jas., M.D., March, 1857.  
 \*Peace, Edw., M.D., April, 1859.  
*Peale, Charles Wilson*, April, 1868.  
 \*Peale, Titian R., Aug. 1817.

*Pearsall, Robt.*, Dec. 1835. \*Price, Eli K., Nov. 1875.  
*\*Pease, James G.*, Nov. 1874. Price, Isaac C., Nov. 1868.  
*Peirce, C. Newlin*, D.D.S., Feb. 1868. \*Price, J. Sergeant, Feb. 1876.  
*Peirce, Gertrude K.*, April, 1877. \*Price, Richard, May, 1853.  
*\*Peltz, Richard*, March, 1868. Prince, Wm., Capt., U. S. A., Sept. 1872.  
*Pemberton, Henry*, March, 1876. Procter, Wm., Jr., Feb. 1867.  
*\*Pennock, Mrs. Caroline*, Jan. 1873. \*Poulson, Chas. A., Sept. 1823.  
*\*Pennock, C. W.*, M.D. (N.R.), June, 1824. \*Queen, Jas. W., Jan. 1858.  
*Pennypacker, I. A.*, M.D., Sept. 1854. Quimby, B. F., April, 1871.  
*Pennypacker, I. Towers*, Feb. 1875. *Rafinesque, C. S.*, Feb. 1816.  
*Pennypacker, Samuel W.*, Nov. 1871. \*Ralston, Rev. J. G., May, 1867.  
*Penrose, R. A. F.*, M.D., April, 1856. \*Rand, B. Howard, M.D., Jan. 1851.  
*Penrose, Saml. S.*, Nov. 1830. Rand, Theodore D., Sept. 1857.  
*Penrose, T. N.*, M.D., U. S. N., May, 1873. \*Randolph, Evan, Feb. 1867.  
*Pepper, Geo.*, M.D., Aug. 1867. \*Randolph, Richard, May, 1814.  
*\*Pepper, Geo. S.*, July, 1860. *Randolph, S. Emlen*, Dec. 1865.  
*\*Pepper, Henry*, May, 1853. \*Read, James, Dec. 1824.  
*\*Pepper, L. S.*, M.D., July, 1857. \*Reakirt, Edwin L., Jan. 1866.  
*Pepper, Wm.*, M.D., Feb. 1837. Reakirt, Tryon, April, 1866.  
*Percival, Thomas C.*, Jan. 1845. \*Redfield, John H. (corres.), Aug. 1846.  
*Perot, Charles P.*, May, 1874. Reece, Davis (N.R.), Nov. 1860.  
*Peters, Francis*, Jan. 1859. \*Reed, Chas. D., Feb. 1870.  
*Peterson, Geo. W.*, Aug. 1859. *Reeve, Mark M.*, M.D., March, 1831.  
*\*Peterson, Richard*, April, 1873. \*Reeves, Samuel J., March, 1874.  
*\*Peterson, Robert E.*, April, 1831. \*Remington, Thos. P., May, 1853.  
*\*Phillips, C. Charles*, Feb. 1871. *Rhoades, Edwin*, M.D., May, 1868.  
*Phillips, John S.*, Aug. 1836. \*Rhoads, Beulah M., Dec. 1875.  
*\*Phillips, Moro*, March, 1867. \*Rhoads, James M., March, 1876.  
*\*Pierce, Jacob* (N.R.), Dec. 1813. \*Rhoads, Jos. R., May, 1866.  
*Piersol, George A.*, M.D., April, 1876. \*Rice, Geo. (N.R.), May, 1870.  
*\*Pine, William S.*, March, 1876. \*Rice, John, April, 1861.  
*Platt, Franklin, Jr.*, Dec. 1868. *Richardson, Caleb*, Dec. 1814.  
*\*Platt, Wm.*, May, 1853. Richardson, Joseph G., M.D., Nov. 1868.  
*Platt, William G.*, May, 1875. Richardson, T. G., M.D. (N.R.), Jan. 1858.  
*Porter, Prof. E. D.* (N.R.), Oct. 1857. \*Ridings, James, Feb. 1876.  
*\*Potter, Thomas*, May, 1867. \*Ridings, James H., Feb. 1876.  
*Potts, Edward*, March, 1876. \*Roach, Joseph H., Dec. 1875.  
*\*Potts, Howard N.*, Jan. 1873. Robb, Richard R., Feb. 1867.  
*\*Potts, Joseph D.*, Nov. 1874. Roberts, Charles, March, 1876.  
*Potts, Wm.* (N.R.), Nov. 1860. Roberts, George, M.D. (N.R.), July, 1868.  
*Potts, Wm. John*, May, 1877. Roberts, Louisa J., Sept. 1873.  
*\*Poultney, Charles W.*, Oct. 1874. \*Roberts, S. Raymond, June, 1866.  
*Powel, John Hare* (N.R.), May, 1858. Roberts, Solomon W., April, 1860.  
*Powel, Robt. Hare*, May, 1862. Robinson, John B., U. S. N., Oct. 1874.  
*Powel, Saml.* (N.R.), July, 1847. \*Robinson, Thos. A., Sept. 1872.  
*\*Powers, Thos. H.*, Dec. 1873.  
*\*Preston, Jonas*, M.D., Jan. 1825.

- \*Rockhill, Daniel H., May, 1867.
- \*Rogers, Charles H., Jan. 1876.
- Rogers, Fairman, Feb. 1854.
- Rogers, Henry D. (N.R.), Nov. 1834.*
- Rogers, James B., M.D., Oct. 1847.*
- Rogers, R. E., M.D., Feb. 1837.
- \**Rogers, W. Frederick*, March, 1855.
- Rogers, Wm. B., Jr., Sept. 1870.
- \*Root, Thomas S., Feb. 1876.
- Rosengarten, J. G., April, 1877.
- \*Rosengarten, Saml. G., May, 1850.
- \*Rotch, Joseph, Feb. 1814.
- \*Rotch, Thomas, Feb. 1816.
- Rothermel, John G., Oct. 1874.
- Rothermel, Peter F., Feb. 1875.
- Rothrock, J. T., M.D., Dec. 1864.
- \*Ruschenberger, W. S. W., M.D. (cor-  
res.), May, 1832.
- Rush, Madison, June, 1855.
- Rush, William H., M.D., June, 1873.
- Ryan, Thomas, Jan. 1836.
- Ryland, K., M.D., Dec. 1857.
- \*Sanderson, Ed. F. (N.R.), Sept. 1853.
- \*Santee, Eugene J., M.D., Sept. 1875.
- Sargent, F. W., M.D. (N.R.), Sept. 1847.
- Saurman, Benj. F., M.D., Jan. 1863.*
- \*Say, Benjamin, June, 1813.
- \*Say, Lucy W. (N.R.), Oct. 1841.
- \*Say, Thomas (founder), April, 1812.
- Scattergood, Geo. J., Aug. 1863.
- \*Scattergood, Thos., Jr., Nov. 1862.
- \*Schaffer, Chas., M.D., March, 1861.
- \*Schaffer, Wm. L., Dec. 1873.
- \*Schafhirt, Fred. (N.R.), March, 1853.
- Schimmell, Jose O., Oct. 1872.
- \*Schively, Geo. S., M.D., Dec. 1866.
- Schmidt, Henry D. (N.R.), Feb. 1858.
- Schwarz, G., May, 1874.
- \*Scott, Thomas A., April, 1867.
- Scribner, Frank L., Feb. 1877.
- Scull, Gideon D. (N.R.), March, 1857.
- \*Seal, Thomas F. (N.R.), May, 1852.
- Seiler, Karl, M.D., Oct. 1874.
- Seitzinger, F. S., April, 1859.
- Sellers, Coleman, Dec. 1866.
- Sellers, Wm., April, 1866.
- \*Sergeant, J. Dickinson, Oct. 1847.
- \*Seybert, Henry, Dec. 1826.
- Shallcross, John, May, 1874.
- Sharpless, Casper W., Jan. 1852.*
- \*Sharpless, Charles S., Jan. 1876.
- \*Sheafer, P. W. (N.R.), March, 1853.
- Sheppard, Edwin, Dec. 1867.
- \*Sherman, Roger, June, 1868.
- Sherman, W. L., M.D., Oct. 1851.*
- \*Shinn, John, Jr. (founder), Jan. 1812.
- Shoemaker, Benj. (N.R.), Sept. 1835.
- Shoemaker, Benj. H., Oct. 1858.
- Shoemaker, Geo. Y., Nov. 1867.
- Shober, Sam. L., July, 1866.
- Shreve, Elizabeth, Feb. 1871.
- Shryock, Allen, Nov. 1871.
- \*Siegfried, C. A., M.D., U.S.N., Jan. 1873.
- Simes, J. H. C., M.D., April, 1876.
- \*Simmons, John (N.R.), July, 1835.
- \*Sinclair, John C., April, 1869.
- Sinnickson, Chas., Jan. 1873.*
- \*Sinnott, Joseph F., Jan. 1868.
- Slack, John H., M.D. (N.R.), July, 1857.*
- \*Slaymaker, Samuel E., March, 1866.
- \*Sloan, Andrew W., May, 1867.
- Slocum, Charles E., M.D., June, 1876.
- Smallwood, Hannah T., May, 1870.
- \*Smedley, Samuel L., Dec. 1873.
- Smith, A. K., M.D. (N.R.), Nov. 1862.
- Smith, Andrew H., M.D., Jan. 1863.
- \*Smith, Anbrey H., Sept. 1850.
- \*Smith, Benj. H., March, 1876.
- \*Smith, Charles, March, 1867.
- \*Smith, Charles E., June, 1851.
- \*Smith, Charles W., Dec. 1815.
- Smith, Daniel B., April, 1870.
- Smith, Edgar F., April, 1877.
- \*Smith, George Washington, Oct. 1874.
- Smith, Green (N.R.), Sept. 1870.
- Smith, Henry H., M.D., April, 1859.
- \*Smith, Jacob R., Dec. 1815.
- Smith, John B., April, 1834.*
- \*Smith, Joseph P., Feb. 1826.
- \*Smith, Thomas, June, 1859.
- Smith, Thos. Guilford (N.R.), Jan. 1866.
- \*Smith, Uselma C., Aug. 1868.
- \*Smith, Walter B., Jan. 1867.

Smyth, Francis Garden, M.D., Nov. 1872. \*Tainall, Edward, Jr., March, 1876.  
 Smyth, Samuel (N.R.), June, 1855. Taylor, Alfred B., Dec. 1865.  
*Snelling, Samuel*, Aug. 1836. \*Taylor, Charles, March, 1867.  
 \*Sommerville, Jas. M., M.D., Feb. 1858. Taylor, Edward, June, 1876.  
 \*Sommerville, Maxwell, June, 1876. Taylor, Levi (N.R.), July, 1868.  
*Souder, Edmund A.*, Feb. 1857. \*Taylor, Rich. C. (corres.), July, 1832.  
 \*Spackman, George, M.D., July, 1825. Taylor, T. Clarkson, May, 1866.  
 \*Spackman, Rev. H. S., July, 1855. Taylor, William J., Feb. 1857.  
 \*Sparks, Thomas, May, 1859. Thomas, Rev. C. F., June, 1877.  
 \*Speakman, John (founder), Jan. 1812. \*Thomas, Joseph, M.D., April, 1866.  
 Spear, J. C., M.D., U. S. N., Aug. 1869. Thompson, E. O., July, 1876.  
 \*Spencer, Charles, April, 1867. Thompson, George W., Feb. 1871.  
 \*Spencer, Howard, Feb. 1874. \*Thompson, James C., Feb. 1865.  
 \*Starr, Jesse W., Feb. 1876. \*Thompson, J. Edgar, Feb. 1831.  
 Starr, T. W., May, 1868. \*Thompson, John, April, 1872.  
 Steel, Francis P., June, 1868. \*Thompson, John J., Nov. 1872.  
 Steele, J. Dutton (N.R.), Feb. 1863. Thompson, Lewis, Feb. 1871.  
*Steinhaur, Rev. Dan.*, July, 1829. Thomson, Wm., M.D., June, 1868.  
 Stellwagen, Thos. C., M.D., March, 1866. Tompkins, Myron, M.D. (N.R.), May, '58.  
 Stephens, Lemuel, May, 1858. Torr, Wm. S., Oct. 1860.  
 Stephenson, B. F., M.D., U.S.N., Nov. 1875. \*Tower, C., May, 1873.  
 \*Stetler, John G., M.D., Feb. 1867. \*Townsend, John K., M.D., Sept. 1833.  
 Stevenson, William C., Jr., Dec. 1875. \*Townsend, Richard H., M.D., Jan. 1873.  
 \*Stewardson, Thomas, M.D., April, 1859. \*Trautwine, John C., April, 1852.  
 Stewardson, Thos., Jr., Sept. 1870. \*Trevor, John B. (N.R.), May, 1867.  
 Stewart, William (N.R.), June, 1823. \*Trimble, Annon D., Jan. 1873.  
 Stewart, Wm. H. (N.R.), Oct. 1858. \*Troost, Gerard, M.D. (found.), Jan. 1812.  
 Stiles, G., M.D., April, 1872. Trotter, Newbold H., Dec. 1865.  
 Stille, Henry M., M.D. (N.R.), May, 1866. Trudeau, James, M.D. (N.R.), Nov. 1835.  
*Stilé, Louis, S.*, M.D., Nov. 1871. Truman, Wm., M.D., May, 1868.  
*Stimpson, Wm.*, M.D., April, 1858. \*Tryon, Adeline S., Nov. 1874.  
*Stockton, E. B.*, May, 1815. \*Tryon, Edw. K., March, 1876.  
 Stoddart, Jos. M., Jan. 1877. \*Tryon, Geo. W., Jr., June, 1859.  
 Stoddart, J. Marshall, April. 1877. *Tuft, John B.*, M.D. (N.R.), May, 1831.  
*Stokes, William A.*, May, 1874. *Turnbull, W. P.*, July, 1857.  
 \*Stouse, Joseph, M.D., May, 1812. \*Turner, John, March, 1866.  
 \*Strecker, Herman, June, 1873. Turner, Thos. J., M.D., U.S.N., Feb. 1854.  
 Streets, Thos. H., M.D., U.S.N., Sept. 1869. *Turnpenny, Frederick*, M.D., Nov. 1833.  
*Struthers, William*, Feb. 1852. \*Turnpenny, Jos. C., Dec. 1866.  
*Swaim, William*, Jan. 1872. \*Tyler, Geo. F., April, 1867.  
 \*Swift, Joseph, May, 1853. Tyndale, Hector, Feb. 1869.  
 Taggart, Wm. H., M.D., April, 1853. Tyson, James, M.D., Aug. 1867.  
 \*Taitt, Mrs. Caroline G., March, 1875. *Tyson, Job R.*, May, 1854.  
 \*Taitt, John T., May, 1867. Uhler, Philip R. (N.R.), March, 1858.  
 \*Tasker, Stephen P. M., Feb. 1868. Uhler, Wm. H., M.D., Jan. 1856.  
 \*Tasker, Thos. T., Jr., Feb. 1868. Ulke, Henry (N.R.), April, 1858.

Vail, Hugh D., Nov. 1860.  
 Vanderkemp, John J., M.D. (N.R.), April, 1854.  
 Vandyke, E. B., M.D., Sept. 1866.  
 Vanuxem, Lardner, June, 1815.  
 \* Vaughan, John, March, 1822.  
 \* Vaux, Mrs. E. H., Feb. 1867.  
 \* Vaux, George, Dec. 1866.  
 \* Vaux, Roberts, March, 1818.  
 \* Vaux, William S., March, 1834.  
 \* Wagner, Mary, Feb. 1877.  
 \* Wagner, Tobias, Oct. 1818.  
 \* Wagner, William, June, 1815.  
 Wahl, W. H., M.D., Nov. 1870.  
 Wales, Philip S., M.D., U.S.N., Oct. 1868.  
 Walker, A. M. (N.R.), April, 1836.  
 \* Waln, S. Morris, June, 1867.  
 Walton, Joseph, April, 1866.  
 \* Warden, William S., Dec. 1814.  
 Ware, Nathaniel A. (N.R.), Oct. 1826.  
 Warner, Benjamin, Feb. 1814.  
 \* Warner, John, Dec. 1860.  
 \* Warner, Redwood F., Dec. 1864.  
 Warren, David March, May, 1857.  
 Warren, Gen. G. K. (N.R.), Feb. 1857.  
 Waterhouse, John F., M.D., March, 1814.  
 \* Waterman, Isaac S., Dec. 1867.  
 Watson, Gavin, M.D., April, 1840.  
 \* Watson, Joseph, May, 1816.  
 Waugh, W. F., M.D., Jan. 1876.  
 Weber, R. L., M.D., U.S.N., April, 1866.  
 \* Weightman, John F., M.D., March, 1874.  
 \* Weightman, Wm., Sept. 1856.  
 \* Wells, W. Lehmann, M.D., June, 1863.  
 \* Welsh, John, Dec. 1859.  
 \* Welsh, John, Jr., Dec. 1873.  
 \* Welsh, Samuel, March, 1867.  
 \* Welsh, William, May, 1853.  
 West, Hilborne, M.D., Sept. 1855.  
 \* Wetherill, Charles, Nov. 1830.  
 \* Wetherill, C. M., M.D. (N.R.), Feb. 1846.  
 \* Wetherill, J. Price, March, 1817.  
 Wetherill, J. Price, March, 1871.  
 Wetherill, Samuel (N.R.), Nov. 1843.  
 \* Wetherill, William, Feb. 1824.  
 Wharton, Henry, Feb. 1858.  
 \* Wharton, Joseph, July, 1864.  
 Wharton, William, Jr., June, 1876.  
 \* Wheatley, Chas. M., March, 1850.  
 \* Wheeler, Charles, April, 1867.  
 \* Whelen, Alfred, M.D., Jan. 1876.  
 \* Whelen, Charles S., Jan. 1874.  
 \* Whelen, Edward S., June, 1853.  
 \* Whelen, Jas. N., May, 1867.  
 \* Whelen, Wm. A., May, 1867.  
 Whelpley, James D. (N.R.), March, 1838.  
 \* Whildin, Alex., May, 1867.  
 \* White, George Geny, Nov. 1874.  
 \* White, S. S., D.D.S., Nov. 1859.  
 \* White, Wm. R., Feb. 1866.  
 \* White, Wm. R., Jr., May, 1867.  
 Whitman, H. F., Oct. 1876.  
 Whitman, Wm. E., Feb. 1848.  
 \* Whitney, Asa, May, 1867.  
 \* Whitney, George, May, 1867.  
 \* Whitney, Jas. S., Dec. 1858.  
 \* Whitney, John R., May, 1867.  
 Wilcocks, Alex., M.D., April, 1857.  
 Willard, Dwight D., April, 1870.  
 Willecox, Joseph, Dec. 1867.  
 Williams, Edward H., June, 1871.  
 \* Williams, Henry J., April, 1819.  
 Williams, Isaac S., Dec. 1874.  
 Williams, Samuel H., May, 1859.  
 \* Williamson, Chas. Sumner, May, 1875.  
 \* Williamson, I. V., April, 1867.  
 Williamson, Passmore, April, 1872.  
 Williamson, Wm. H., M.D., May, 1875.  
 \* Wilson, Alexander, June, 1813.  
 Wilson, Franklin S., May, 1867.  
 \* Wilson, Joseph, M.D., U.S.N., Jan. 1856.  
 Wilson, Pierce B. (N.R.), Oct. 1858.  
 \* Wilson, Rathmell, March, 1876.  
 \* Wilson, Thos. B., M.D., June, 1832.  
 \* Wilson, Wm. S., June, 1848.  
 \* Wilstach, Wm. P., July, 1860.  
 \* Wilt, Charles, March, 1876.  
 \* Windrim, James H., Feb. 1876.  
 \* Winsor, Henry, Aug. 1865.  
 \* Wistar, Isaac J., March, 1874.  
 Wistar, Mifflin, M.D., June, 1839.  
 \* Wistar, Richard, Jan. 1831.  
 \* Wister, Caspar, M.D., June, 1851.

*Wister, John, April, 1876.	*Wright, Edward, May, 1873.
Wister, Owen J., M.D., June, 1859.	Wright, George, Capt. U. S. A., Feb. 1870.
Withrow, I. L. (N. R.), April, 1869.	Wright, George A., June, 1876.
Wolgamuth, Francis F., Feb. 1848.	*Wright, James A., May, 1867.
*Wood, Edw. R., Feb. 1866.	Wright, Joseph C., Oct. 1873.
*Wood, George, Dec. 1875.	Wurts, C. S., M.D., July, 1857.
*Wood, Geo. B., M.D., Feb. 1825.	Wythes, Rev. Jos. H. (N.R.), Nov. 1853.
*Wood, Geo. K., M.D. (N.R.), Jan. 1862.	
*Wood, Horatio C., Jr., M.D., June, 1864.	*Xantus, John Louis (de Vésey), (N.R.),
Wood, Richard, Sept. 1860.	Dec. 1856.
*Wood, Richard D., May, 1853.	
*Wood, Robert, Feb. 1876.	Yarrow, Harry C., M.D., U.S.A., May, '63.
*Wood, Stuart, March, 1876.	Young, Charles A., Jan. 1875.
Wood, Wm. W. (N.R.), Jan. 1825.	
Woodhouse, Sam. W., M.D. Nov. 1845.	Zantzinger, George, Sept. 1835.
Woodward, Geo. W. (N.R.), Jan. 1866.	*Zantzinger, Wm. S., M.D. (N.R.), Oct.
Woodward, J. J., M.D., U.S.A., June, 1855.	1840.
Woollens, Jos., M.D., June, 1815.	Zentmayer, Joseph, May, 1868.
Workman, H. Weir, Sept. 1870.	Ziegler, George J., M.D., Nov. 1856.

## SUMMARY.

Contributing members . . . . .	297
Non-resident <sup>1</sup> " . . . . .	125
Exempt from dues by commutation; or life members <sup>2</sup> .	442
Existing members . . . . .	864
Deceased members . . . . .	345

<sup>1</sup> A member who moves his domicil to any locality distant more than thirty miles from the Academy may be released from the payment of the stated dues on application to the treasurer (*By-Laws, Art. V. Chapter IX.*). Members exempted from the payment of dues on this account are termed "non-resident."

<sup>2</sup> A member who has commuted, or expunged the semi-annual claim of the Academy against him during life for stated contributions by the payment of one sum to the "permanent fund" (*By-Laws, Art. III. Chapter IX.*), becomes conventionally distinguished by the title of "life member" on the treasurer's books and on this list. The charter of the Academy provides that "the Society shall consist of *members* and *correspondents*" exclusively. For this reason those who belong to it cannot lawfully assume in this connection any other title, such as "life member," or "corresponding member," or "non-resident member."

## C O R R E S P O N D E N T S.

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Aall, Nicolai, Christiania, Sweden, 1846.  
Abadie, E. H., M.D., U. S. A., 1836.  
Abadie, Pedro, Lima, Peru, 1821.  
Adams, Arthur, London, 1867.  
*Adams, Charles B.*, Amherst, Mass., 1846.  
Adams, Rev. E. E., Oxford, Delaware County, Pennsylvania, 1867.  
Adams, Henry, Loudon, 1867.  
Adamson, J. C., M.D., 1856.  
*Adrian, Robert*, LL.D., 1815.  
*Agardh, Professor C. A.*, Lund, Sweden, 1834.  
*Agassiz, Alex. E. R.*, Cambridge, Mass., 1864.  
*Agassiz, Professor Louis*, Cambridge, Mass., 1836.  
Alcantara, Dom Pedro D', Emperor of Brazil, 1876.  
*Alger, Francis*, Boston, 1841.  
Anderson, Rev. M. B., LL.D., Rochester, New York, 1866.  
Angas, George French, Port Jackson, 1867.  
*Anthony, John Gould*, Cambridge, Mass. 1833.  
Antisell, Thomas, M.D., New York, 1852.  
Anton, Professor Frak., Hallé, Germany, 1840.  
*Arago, M.*, Paris, 1843.  
Arriago, José Joaquin, Mexico, 1874.  
Anber, Pedro Allessandro, 1835.  
*Audouin, J. Victor*, M.D., Paris, 1821.  
*Audubon, John James*, New York, 1831.  
*Audubon, John W.*, New York, 1854.  
*Audubon, Victor G.*, New York, 1845.  
*Avogadro, Amadeo*, Turin, 1844.

*Bachman, Rev. John*, D.D., Charleston, South Carolina, 1832.  
Bachmann, Professor Charles Frederick, Jena, Germany, 1840.  
*Bailey, Professor J. W.*, West Point, 1841.  
*Baird, W. M.*, Reading, Pennsylvania, 1846.  
*Baldwin, William*, M.D., Wilmington, Delaware, 1817.  
Balfour, J. Hutton, M.D., Glasgow, Scotland, 1842.  
*Barabino, Joseph*, New Orleans, 1831.

Bárcena, Dr. Mariano, Mexico, 1874.  
Barrande, Joachim, Prague, 1859.  
Barratt, John P., M.D., Barrattsville, South Carolina, 1847  
Barratt, Joseph, LL.D., Middleton, Connecticut, 1837  
Barry, Rev. A. C., Racine, Wisconsin, 1853.  
Bartlett, John R., New York, 1850.  
*Bartram*, William, Kingsessing, Pennsylvania, 1812.  
Bandon, Auguste, M.D., Beauvais, France, 1867.  
Baxter, Dr. J. H., U. S. A., Washington, D. C., 1866.  
*Beaumont*, Elie de, Paris, 1833.  
*Beche*, Sir Henry Thomas de la, London, 1832.  
*Beck*, Lewis C., New Brunswick, New Jersey, 1833.  
*Beck*, T. Romeyn, M.D., Albany, New York, 1816.  
*Bedwell*, Thomas, Jr., Rio Janeiro, 1812.  
Beebe, Edw. H., Galena, Ill., 1863.  
*Beelen*, A., Pittsburg, Pa., 1812.  
Belisario, Dr. John, Sydney, N. S. W., 1875.  
*Bell*, Thomas, London, 1834.  
Bellingeri, M., Turin, Italy, 1826.  
Belot, Jule Henri, Paris, 1836.  
Beneke, Professor F. W., M.D., Hesse Cassel, 1858.  
Benoit, Luigi, Messina, 1867.  
Benson, H., Cheltenham, Eng., 1867.  
*Berg*, Rev. Dr. Jos. F., Rutgers College, New Jersey, 1868.  
*Bernardi*, Chev. A. C., Paris, 1860.  
Berthoud, E. S., Boulder City, Colorado, 1866.  
*Berzelius*, Professor J. Jacob, Stockholm, 1826.  
Best, Robert, Lexington, Kentucky, 1823.  
*Betton*, Samuel, M.D., Germantown, 1815.  
*Beudant*, F. S., Paris, 1821.  
*Bey*, Clot, M.D., Cairo, Egypt, 1845.  
*Bickley*, Robert, Pennsylvania, 1816.  
*Bigsby*, John J., M.D., Newark-on-Trent, England, 1820.  
Bingham, Wm. T., Boston, Massachusetts, 1868.  
*Binney*, Amos, M.D., Boston, 1836.  
Bishop, Nathaniel H., Princeton, N. J., 1869.  
Blackmore, William, London, 1869.  
*Blainville*, H. Ducrotay de, Paris, 1817.  
Blake, Rev. Joseph, Gilmanton, New Hampshire, 1866.  
Blake, W. P., Oakland, Ct., 1856.  
Blanchard, M. Emile, Paris, 1848.  
Bland, Thomas, New York, 1858.  
*Blanding*, Shubel, M.D., South Carolina, 1836.  
*Blanding*, William, M.D., Providence, R. I., 1831.  
Blanding, William, South Carolina, 1836.  
*Blyth*, Edward, Calcutta, 1848.  
*Boeck*, Prof. Carl Wilhelm, Christiania, Norway, 1870.

*Boivin, Am.*, Paris, 1864.  
*Bonelli, Professor Francisco*, Turin, 1818.  
*Booth, Francis*, M.D., London, 1862.  
*Borie, A. Amicus*, Paris, 1821.  
*Boudin, J. C. M.*, M.D., Versailles, France, 1845.  
*Boué, Ami*, Paris, 1830.  
*Bourguignat, M. J. R.*, Paris, 1867.  
*Bourne, W. Oland*, New York, 1844.  
*Boynton, Dr. John F.*, New York City, N. Y., 1868.  
*Bradbury, John*, London, 1817.  
*Bradley, Prof. Frank H.*, Knoxville, Tennessee, 1870.  
*Brady, George Stewardson*, Sunderland, England, 1871.  
*Brandegee, Townsend S.*, Canon City, Colorado, 1873.  
*Brantz, Lewis*, Baltimore, Maryland, 1819.  
*Breneman, A. A.*, Lancaster County, Pennsylvania, 1868.  
*Brewer, Thomas M.*, M.D., Boston, 1841.  
*Brewer, Wm. H.*, New Haven, Conn., 1867.  
*Brewster, David*, LL.D., Edinburgh, 1822.  
*Brevoort, James Carson*, Brooklyn, New York, 1847.  
*Broderip, William J.*, London, 1836.  
*Bromfield, William A.*, M.D., Isle of Wight, 1847.  
*Brongniart, Adolph T.*, M.D., Paris, 1821.  
*Brongniart, Alexandre*, Paris, 1812.  
*Brown, Benjamin B.*, St. Louis, Missouri, 1887.  
*Brown, Richard*, Sydney, Cape Breton, 1846.  
*Brown, Samuel*, M.D., Alabama, 1818.  
*Bruce, Archibald*, M.D., New York, 1812.  
*Brücke, Professor E.*, Vienna, 1854.  
*Brunet, Rev. Ovide*, Quebec, 1865.  
*Bryan, Col. T. M.*, Vincenttown, N. J., 1875.  
*Brydges, Sir Harford J. J.*, Bart., England, 1848.  
*Buch, Leopold von*, Berlin, 1840.  
*Buck, Charles Elton*, New York, 1866.  
*Buckland, Rev. William*, D.D., Oxford, England.  
*Buckley, S. B.*, Austin, Texas, 1871.  
*Bunbury, Charles J. F.*, London, 1859.  
*Burchell, William J.*, London, 1835.  
*Burnett, Waldo J.*, M.D., Boston, 1854.  
*Burr, John H.*, M.D., Chiloe, Chili, 1829.  
*Busch, G. von dem*, M.D., Bremen, 1867.  
*Bustamente, Jose Maria*, Mexico, 1828.  
  
*Cailliaud, Fred.*, Nantes, 1867.  
*Caligny, M. Le Mis de*, France, 1866.  
*Campbell, H. Frazer*, M.D., Augusta, Georgia, 1858.  
*Camper, Adrian*, Holland, 1821.  
*Cantor, Theodore*, M.D., Singapore, India, 1848.

Capellini, Giovanni, Bologna, 1863.  
Carbonell, Celedonio, Porto Rico, 1859.  
Carling, E. B., Col. U. S. A., 1869.  
Carothers, A. E., M.D., Saltillo, Mexico, 1874.  
*Carpenter, P. P.*, Montreal, C. E., 1862.  
Carpenter, Wm. B., M.D., London, 1860.  
*Carpenter, Wm. M.*, M.D., Louisiana, 1840.  
*Curr, Robert*, Kingsessing, Pennsylvania, 1816.  
Carte, Alexander, Dublin, 1869.  
Carter, Dr. J. Van A., U. S. Army, 1871.  
Carter, Samuel R., Paris Hill, Oxford County, Maine, 1866.  
*Carus, Professor Charles G.*, M.D., Dresden, 1837.  
Casanova, J. S., M.D., Paris, 1834.  
*Cass, Lewis*, Detroit, 1831.  
Castellani, Alessandro, Rome, 1876.  
Castillo, Don Antonio del, Mexico, 1874.  
Cautley, Major Proby T., London, 1836.  
Cavada, F. F., U. S. Consul, Trinidad, 1867.  
Chapman, A. W., M.D., Florida, 1861.  
*Chapman, Isaac*, M.D., Bucks County, Pennsylvania, 1813.  
*Charlesworth, Edward*, London, 1841.  
Chenu, J. C., Paris, 1867.  
Chevreul, E. M., Paris, 1845.  
*Children, J. G.*, London, 1836.  
*Chipman, Isaac L.*, Horton, Nova Scotia, 1847.  
Chittenden, Hon. L. E., New York, 1863.  
Chitty, Hon. Edw., Kingston, Jamaica, 1867.  
*Cist, Jacob*, Wilkesbarre, Pennsylvania, 1816.  
*Claparedé, Edw.*, Geneva, 1859.  
*Clapp, Asahel*, M.D., New Albany, Indiana, 1837.  
Clark, Prof. James H., Centre County, Pennsylvania, 1868.  
*Clark, Lewis Meriwether*, St. Louis, Missouri, 1837.  
Clay, J. Randolph, London, 1839.  
*Clemens, Brackenridge*, M.D., Easton, Pa., 1859.  
Clendon, Major George, Jr., Glenn's Falls, New York, 1868.  
*Cleveland, Parker*, LL.D., Bowdoin College, Maine, 1812.  
*Clifford, John D.*, Lexington, Kentucky, 1816.  
*Clinton, De Witt*, LL.D., New York, 1815.  
Clinton, Geo. W., Buffalo, 1866.  
Cloquet, Jules, Paris, 1816.  
*Cloquet, Jules (le jeune)*, Paris, 1819.  
Cobb, J., M.D., Kentucky, 1848.  
Cobbold, T. Spencer, M.D., London, 1868.  
Cocchi, Prof. Ignino, Florence, Italy, 1870.  
*Cogswell, Joseph H.*, New York, 1816.  
*Cohen, J. J.*, M.D., Baltimore, Maryland, 1833.  
*Colla, Professor Luigi*, Turin, 1822.

Collier, D. C., Central City, Colorado, 1866.  
*Collins, Baron de*, Havana, Cuba, 1818.  
*Combe, George*, Edinburgh, 1838.  
*Conybeare, William D.*, London, 1836.  
*Conyngham, R'dmond*, Lancaster County, Pennsylvania, 1842.  
Cook, George H., New Brunswick, New Jersey, 1869.  
Cook, M. C., London, 1874.  
Cooper, J. G., M.D., San Francisco, Cal., 1867.  
*Cooper, Thomas*, M.D., LL.D., Columbia, South Carolina, 1812.  
*Cooper, William*, New York, 1828.  
Cornay, J. C., Paris, 1861.  
Corson, Dr. Jos. K., U. S. A., 1871.  
Couch, D. N., U. S. A., 1853.  
Coues, Elliott, M.D., U. S. Army, Washington, D. C., 1861  
*Couper, J. Hamilton*, Darien, Georgia, 1842.  
*Couthouy, Joseph P.*, Boston, 1837.  
Coutinho, J. M. da Silva, Rio de Janeiro, 1877.  
*Cowan, Hon. Edgar*, Pennsylvania, 1861.  
Cowan, Frank, Washington City, 1866.  
Cox, J. C., Sydney, New South Wales, 1867.  
Craft, James S., Pittsburg, Pennsylvania, 1831.  
*Cramer, Charles*, St. Petersburg, Russia, 1834.  
Craven, J. J., M.D., U. S. A., 1863.  
Credner, Herman, New York, 1866.  
*Croom, H. P.*, Tallahassee, Florida, 1835.  
Crosse, H. M., Paris, 1867.  
*Curtis, John*, London, 1836.  
*Curtis, F.*, M.D., U. S. A., 1869.  
*Cuvier, Baron George*, Paris, 1818.  
  
Dall, Wm. H., Washington, D. C., 1869.  
Dalton, Henry G., M.D., Demarara, 1852.  
Dalton, John C. W., M.D., New York, 1854.  
Dana, James D., New Haven, Connecticut, 1836.  
Dana, Samuel L., Cambridge, Massachusetts, 1815.  
Daniel, Wm. F., M.D., London, 1852.  
*Darlington, William*, M.D., West Chester, Pennsylvania, 1818.  
Darwin, Chas., F.R.S., F.G.S., London, 1860.  
*Davis, Edwin Hamilton*, M.D., Chillicothe, Ohio, 1847.  
*Davis, Hon. Henry Winter*, Baltimore, 1863.  
*Davis, J. Bernard*, England, 1856.  
*Davis, John*, Boston, 1812.  
*Dawson, J. W.*, Pictou, Nova Scotia, 1846.  
*Deabbate, Gaspard*, Turin, 1823.  
Dean, John, M.D., Boston, 1862.  
*Dearing, W. E.*, M.D., Augusta, Georgia, 1854.  
*Decaisne, Prof. Jos.*, Paris, 1862.

De Camp, Wm. H., M.D., Grand Rapids, Mich., 1859.  
De Candolle, Alphonse, Geneva, 1853.  
*De Candolle, Auguste P.*, Geneva, 1836.  
Dekay, James E., M.D., New York, 1821.  
Delafield, Major Joseph, New York, 1846.  
Denny, Henry, Leeds, England, 1842.  
De Rivero, Mariano, Arequipa, Pern, 1821.  
Deshayes, G. P., Paris, 1832.  
*Desmarest, Anselme Gaetan*, Paris, 1817.  
Desmoulin, Chas., Bordeaux, 1859.  
Desor, Prof. Edward, Neuchatel, 1877.  
Dewey, Rev. Chester, Rochester, N. Y., 1832.  
Dewey, Henry B., Para, Brazil, 1850.  
*Diesing, C. M.*, M.D., Vienna, Austria, 1851.  
Dietz, Andrew R., St. Thomas, West Indies, 1839.  
*Dillwyn, Lewis W.*, Penllegare, Wales, 1815.  
*Doane, George W.*, D.D., New Jersey, 1848.  
Do Castello de Paiva, Baron, Lisbon, 1807.  
*Doddridge, C.*, M.D., Brook C. H., Virginia, 1812.  
*Doebereiner, Professor Johannes W.*, Jena, Austria, 1830.  
D'Oliveira, D. Baptista, Rio de Janerio, 1855.  
*D'Orbigny, M. Alcide*, Paris, 1834.  
Doremus, R. Ogden, M.D., New York, 1855.  
*Dowler, Bennet*, M.D., New Orleans, 1848.  
*Drake, Daniel*, M.D., Cincinnati, Ohio, 1812.  
Draper, John W., M.D., New York, 1836.  
Drapier, A., Brussels, 1824.  
Dresser, H. E., London, 1867.  
Drouet, Henri, Troyes, 1867.  
Du Bois, Prof. Alfred, Laurette, Park Co., Colorado, 1866.  
*Ducatel, Julius F.*, M.D., Baltimore, Maryland, 1812.  
*Duclos, M.*, Paris, 1833.  
*Duméril, Constant*, Paris, 1818.  
Duncan, Thomas, Rappahannock, Virginia, 1816.  
Dunker, Professor Wm., Marburg, Cassel, 1859.  
*Dupont, Alfred*, Wilmington, Delaware, 1821.  
*Durham, Geo. J.*, Austin, Texas, 1867.  
Durieu de Maisonneuve, Prof., Bordeaux, 1865.  
Duvignau, M., Paris, 1820.  
  
Eandi, Chev. A. M., Vassali, Turin, 1822.  
Earle, John Milton, Worcester, Massachusetts, 1833.  
*Eaton, Amos*, Troy, New York, 1829.  
Eaton, H. Hulbert, M.D., Lexington, Kentucky, 1831.  
Edwards, Alphonse Milne, Paris, France, 1868.  
*Edwards, M. Milne*, Paris, 1832.  
Edwards, Wm. H., New York, 1861.

*Ehrenberg, Christian G.*, M.D., Berlin, 1848.  
*Eights, James*, M.D., Albany, New York, 1837.  
*Elliott, Andrew*, Pennsylvania, 1812.  
*Elliott, Stephen*, Charleston, S. C., 1815.  
*Elliott, Rev. Stephen*, Savannah, Georgia, 1856.  
*Ellis, W. Cox*, Muncy, Pennsylvania, 1828.  
*Emerson, George B.*, Boston, 1840.  
*Emmons, Ebenezer*, M.D., Albany, New York, 1840.  
*Enderlin, Charles*, M.D., New York, 1854.  
*Engelmann, George*, M.D., St. Louis, Missouri, 1840.  
*Escher, Henri*, Switzerland, 1813.  
*Eschricht, Professor Daniel F.*, M.D., Copenhagen, 1848.  
*Esenbeck, Professor C. G. Nees von*, Bonn, 1836.  
*Ettingshausen, Constantine von*, 1859.  
*Evans, John*, M.D., New Harmony, Indiana, 1850.  
*Eyton, Thomas C.*, Shropshire, England, 1846.  
  
*Falconer, Hugh*, M.D., London, 1836.  
*Faraday, Prof. Michael*, London, 1847.  
*Fancker, Sylvanus*, Connecticut, 1815.  
*Favre, Prof. Alphonse*, Geneva, 1877.  
*Fayrer, J.*, M.D., Calcutta, 1874.  
*Fratherstonhaugh, G. W.*, Havre, 1830.  
*Fendler, Augustus*, Allentown, Maryland, 1868.  
*Ferris, Z.*, Wilmington, Delaware, 1815.  
*Férussac, Baron d'Audebard de*, Paris, 1816.  
*Fischer, Paul*, M.D., Paris, 1867.  
*Fitton, William Henry*, M.D., London, 1837.  
*Fitzinger, Professor Leopold*, Vienna, 1832.  
*Flint, Austin*, M.D., New York, 1876.  
*Flourens, P.*, Paris, 1859.  
*Flower, Prof. Wm. Henry*, F.R.S., London, 1875.  
*Foote, John P.*, Cincinnati, Ohio, 1824.  
*Ford, Henry A.*, Glasstown, Gaboon River, Liberia, 1852.  
*Forster, Thomas*, M.D., London, 1816.  
*Foster, J. W.*, Lake Superior, 1852.  
*Fowler, Samuel*, M.D., Franklin, New Jersey, 1823.  
*Fox, Rev. Charles*, Michigan, 1853.  
*Francis, John W.*, New York, 1816.  
*Frauenfeld, Geo. Ritter von*, Vienna, 1859.  
*Frazer, Dr. Thos. R.*, Edinburg, 1873.  
*Fremont, John Charles*, 1848.  
*French, Wm. H.*, White Haven, Luzerne Co., Pa., 1866.  
*Frick, Henry*, Northumberland, Pennsylvania, 1831.  
*Fussel, Edwin*, M.D., Indianapolis, Indiana, 1840.  
  
*Gadolin, Gen. A.*, St. Petersburg, 1877.  
*Galbraith, John*, Venango, Pennsylvania, 1831.

*Galleotti, Henry*, Brussels, 1842.  
*Gándara, Don Alvaro de la*, Madrid, 1876.  
*Garcia, Jose Ant. G. y*, Lima, Peru, 1855.  
*Garcia, Manuel de la*, Madrid, 1817.  
*Garrett, Andrew*, Huaheine, Society Islands, 1873.  
*Gassies, J. B.*, Bordeaux, 1867.  
*Gaussoin, Eugene*, Baltimore, Maryland, 1867.  
*Gay, Jacques*, Paris, 1862.  
*Geddings, E.*, M.D., Charleston, South Carolina, 1832.  
*Germar, Professor Ernst Friedrich*, Halle, Saxony, 1828.  
*Gerolt, Baron von*, Washington, 1846.  
*Gesner, Abraham*, M.D., St. Johns, New Brunswick, 1840.  
*Gibbes, Lewis R.*, M.D., Charleston, South Carolina, 1844.  
*Gibbes, Robert W.*, M.D., Columbia, South Carolina, 1845.  
*Gibbs, George*, New York, 1815.  
*Gill, Prof. Theodore*, Washington, D. C., 1860.  
*Gilliss, J. M.*, U. S. N., Washington City, 1848.  
*Gilmer, Francis W.*, Albemarle County, Virginia, 1815.  
*Gilmore, Robert*, Baltimore, Maryland, 1819.  
*Girard, Charles*, M.D., Paris, 1851.  
*Giraud, Jacob P., Jr.*, New York, 1842.  
*Gliddon, George R.*, 1841.  
*Goheen, S. M. E.*, M.D., Columbia, Pennsylvania, 1840.  
*Goldfuss, Professor August*, M.D., Bonn, Germany, 1832.  
*Goodsir, John D.*, Edinburgh, 1849.  
*Gorham, John*, M.D., Harvard University, 1816.  
*Gould, Augustus A.*, M.D., Boston, 1840.  
*Gould, John*, London, 1843.  
*Gourlie, William, Jr.*, Glasgow, 1846.  
*Graham, Colonel J. D.*, U. S. Topog. Eng., 1841.  
*Grant, Jas. A.*, M.D., Canada, 1863.  
*Grateloup, M.*, M.D., Bordeaux, 1836.  
*Gray, Asa*, M.D., Cambridge, Massachusetts, 1836.  
*Gray, C. C.*, M.D., U. S. A., 1866.  
*Gray, George Robert*, London, 1846.  
*Gray, John Edward*, LL.D., London, 1823.  
*Gray, Robert*, Glasgow, Scotland, 1866.  
*Green, Benjamin D.*, M.D., Boston, 1831.  
*Green, John W.*, M.D., New York, 1856.  
*Griffith, Edward*, London, 1828.  
*Griffith, Thomas*, M.D., Columbia, Pennsylvania, 1815.  
*Griscom, John*, LL.D., Burlington, New Jersey, 1814.  
*Grote, Augustus R.*, New York, 1865.  
*Groth, Prof. Paul*, Strasbourg, 1876.  
*Gruber, Prof. Wentzel*, St. Petersburg, 1876.  
*Guckert, Frank*, Ciudad Bolívar, Venezuela, 1873.  
*Guenther, Dr. Albert*, London, 1875.

*Guérin-Ménerville, F. E.*, Paris, 1861.  
*Guillemard, John*, London, 1817.  
*Gummere, John*, Burlington, New Jersey, 1816.  
*Gundlach, J., M.D.*, Havana, 1867.  
*Gurney, John Henry*, Norfolk, England, 1867.  
*Guyot, Professor Arnold*, Princeton, N. J., 1858.

*Hadley, James, M.D.*, Fairfield, New York, 1828.  
*Haidinger, W. C.*, Vienna, 1851.  
*Haight, Richard K.*, New York, 1844.  
*Haines, John S.*, Northumberland, Pennsylvania, 1814.  
*Hall, James*, Albany, New York, 1843.  
*Hamilton, W. J.*, London, 1859.  
*Hamlin, Dr. A. C.*, Bangor, Me., 1864.  
*Hammond, Ogden*, Charleston, South Carolina, 1847.  
*Hammond, W. A., M.D.*, New York, 1853  
*Hancock, Albany*, New Castle-upon-Tyne, England, 1869.  
*Hanley, Sylvanus*, London, 1867.  
*Harden, John M. B., M.D.*, Liberty County, Georgia, 1846.  
*Harney, Wm. S., U. S. A.*, 1857.  
*Harris, Thaddeus W., M.D.*, Milton, Massachusetts, 1826.  
*Hartlaub, G., M.D.*, Bremen, 1852.  
*Hartman, W. D., M.D.*, West Chester, Pennsylvania, 1853.  
*Hassenfratz, J. H.*, Paris, 1819.  
*Hauer, Baron von*, Vienna, 1851.  
*Haughton, Rev. Samuel*, Dublin, Ireland, 1868.  
*Hauxwell, John*, Pebas, Ecuador, 1871.  
*Hauy, L'Abbé*, Paris, 1812.  
*Hayden, Horace H.*, Baltimore, Maryland, 1815.  
*Hayes, John Lord*, Portsmouth, New Hampshire, 1814.  
*Hazlewood, George*, London, 1821.  
*Hector, Dr. James*, New Zealand, 1876.  
*Heer, Prof. Oswald*, Zurich, 1859.  
*Henderson, Joseph, M.D.*, Mifflin County, Pennsylvania, 1838.  
*Henle, Dr. J.*, Göttingen, 1873.  
*Henry, Joseph, LL.D.*, Washington City, 1843.  
*Henry, T. Charlton, M.D.*, U. S. A., 1850.  
*Herbert, Rev. William, LL.D.*, Manchester, England, 1843.  
*Herrick, Edward C.*, New Haven, 1836.  
*Herschel, Sir J. F. W., Bart.*, London, 1847.  
*Hidalgo, J. Gonzales*, Madrid, 1867.  
*Hildreth, Samuel P., M.D.*, Marietta, Ohio, 1832.  
*Hitchcock, Edward, LL.D.*, Amherst, Massachusetts, 1832.  
*Hochstetter, Ferdinand von*, Vienna, 1877.  
*Hodgkin, Thomas, M.D.*, London, 1837.  
*Hodgson, W. B.*, Savannah, Georgia, 1843.  
*Hogg, Jabez, F.L.S.*, 1873.

*Holbrook, John Edwards*, M.D., Charleston, South Carolina, 1832.  
*Hollenbush, H. W.*, Reading, Penna., 1874.  
*Holmes, Ezekiel*, M.D., Waterville College, Maine, 1826.  
*Holmes, Francis S.*, Charleston, South Carolina, 1848.  
*Holmes, Prof. Oliver Wendell*, Boston, 1868.  
*Holmes, W. H.*, U. S. Geo. Surv., 1876.  
*Hooker, Dr. J. Dalton*, Kew, England, 1873.  
*Hooker, Sir William Jackson*, London, 1821.  
*Hooper, Robert*, M.D., London, 1834.  
*Hornes, Moriz*, M.D., Vienna, 1859.  
*Horsefield, S. C. C.*, India, 1830.  
*Horsfield, Thomas*, M.D., London, 1826.  
*Hosack, David*, M.D., New York, 1815.  
*Hough, Franklin B.*, M.D., Sommerville, New York, 1851.  
*Houghton, Douglass*, M.D., Detroit, 1840.  
*Hoy, Philo R.*, M.D., Racine, Wisconsin, 1853.  
*Hubbard, Oliver P.*, M.D., Dartmouth College, New Hampshire, 1841.  
*Humboldt, Baron Alexander von*, Berlin, 1843.  
*Hunt, David*, M.D., Northampton, Massachusetts, 1815.  
*Hurry, William Cobb*, Calcutta, 1832.  
*Huxley, Prof. T. H.*, F.R.S., London, 1859.  
*Hyatt, Alpheus*, Salem, Mass., 1867.  
*Hyrtl, Professor Joseph*, Vienna, 1851.

*Ives, Ansel W.*, M.D., New York, 1817.

*Jackson, Charles T.*, M.D., Boston, Massachusetts, 1833.  
*Jackson, J. B. S.*, M.D., Boston, Massachusetts, 1846.  
*Jackson, Robert M. S.*, M.D., Indiana County, Pennsylvania, 1848.  
*Jackson, William*, Chester County, Pennsylvania, 1814.  
*Jäger, Prof. Geo. F.*, Stuttgart, 1859.  
*James, Edwin*, M.D., U. S. A., 1823.  
*James, William*, Halifax, Virginia, 1816.  
*Jameson, Robert*, Edinburgh, 1822.  
*Jameson, William*, M.D., Quito, Ecuador, 1836.  
*Jansen, Joseph*, London, 1816.  
*Jardien, Ambrose*, Paris, 1851.  
*Jarvis, Rev. T. Farmer*, D.D., Middletown, Connecticut, 1837.  
*Jay, John C.*, M.D., Mamaroneck, West Chester Co., N. Y., 1835.  
*Jefferson, Thomas*, LL.D., Virginia, 1818.  
*Jeffreys, J. Gwynn*, London, 1867.  
*Jenkins, John Carmichael*, M.D., Mississippi, 1836.  
*Jerdon, T. C.*, M.D., Madras, India, 1867.  
*Joaquin, Don José Arriago*, Mexico, 1874.  
*Johnson, Wesley*, M.D., Liberia, Africa, 1841.  
*Johnston, George*, M.D., Berwick-on-Tweed, 1841.  
*Johuston, James F. W.*, Durham, England, 1838.

Johnston, John, Middletown, Connecticut, 1843.  
Jolis, Auguste le, Cherbourg, France, 1858.  
*Jones, John Coffin*, California, 1838.  
Jones, Jos., M.D., Nashville, Tenn., 1858.  
Jones, Thos. Rupert, 1864.  
Jones, Thos. Rymer, F.R.S., London, 1859.  
*Jones, William*, Calcutta, 1817.  
Jones, Dr. William H., U. S. N., 1873.  
Jones, William L., M.D., Riceboro, Georgia, 1848.  
*Jussieu, Antoine Laurent de*, Paris, 1818.

*Kaup, Professor Jean J.*, Darmstadt, 1848.  
Keech, Alexander, A.F.C., Rappahannock, Virginia, 1816.  
*Kennedy, H. W.*, M.D., Buenos Ayres, 1852.  
Kerr, Prof. W. C., Raleigh, North Carolina, 1871.  
Kesteloot, Professor, Ghent, 1843.  
*King, Alfred T.*, M.D., Greensburg, Pennsylvania, 1844.  
King, Henry, M.D., St. Louis, Missouri, 1840.  
*Kingsborough, Right Hon. Lord*, London, 1837.  
Kippist, Richard, London, 1846.  
Kirkwood, Daniel, Bloomington, Ind., 1854.  
Kirtland, J. P., M.D., Cleveland, Ohio, 1848.  
Kite, Thos., Cincinnati, Ohio, 1865.  
*Knieskern, P. D.*, M.D., N. Jersey, 1865.  
Kölliker, A., Wurzburg, 1869.  
Kokscharow, Nikolai V., St. Petersburg, 1877.  
Koninck, L. de, Brussels, 1877.  
Korthals, P. W., M.D., Leyden, 1847.  
Kotschubey, P. A. von, St. Petersburgh, 1877.  
Krauss, Prof. F., Stuttgart, 1859.  
Kuster, H. C., Cassel, 1867.

Lachmann, Johannes, Geneva, 1862.  
*Lacordaire, Th.*, Liege, 1848.  
Lagos, Manuel Fereira, Rio Janerio, 1849.  
*Lakanal, Count*, Paris, 1815.  
*Lamarck, Chev. de*, Paris, 1818.  
Laporte, Count de Castlenau, Paris, 1837.  
Laporte, J. L., Bordeaux, 1832.  
Latimer, Dr. L. E., New York, 1868.  
*Latreille, Pierre Andre*, Paris, 1817.  
*Laugier, M.*, Paris, 1818.  
Lawrence, George N., New York, 1847.  
Lawrence, William, M.D., London, 1821.  
*Leach, W. Elford*, M.D., London, 1818.  
*Le Beau, Justus*, M.D., New Orleans, 1833.  
Leconte, John, M.D., San Francisco, Cal., 1853.

*Le Conte, Louis*, 1815.  
*Lee, Henry*, Westmoreland, Virginia, 1816.  
*Lefroy, M.*, Paris, 1817.  
*Leighton, James*, M.D., Pittsburg, 1821.  
*Leman, M.*, Paris, 1817.  
*Leonhard, Karl Cæsar von*, Heidelberg, 1824.  
*Lepsius, Professor Karl Richard*, LL.D., Berlin, 1843.  
*Lesquereux, Leo*, Columbus, Ohio, 1865.  
*Lesson, R. P.*, Paris, 1832.  
*Lettson, William G.*, London, 1843.  
*Lewis, James*, M.D., Mohawk, N. Y., 1861.  
*L'Herminier, Louis*, M.D., Guadaloupe, 1817.  
*Liebig, Justus*, M.D., Giessen, Germany, 1840.  
*Lincecum, Gideon*, M.D., Long Point, Texas, 1867.  
*Lindley, John*, Ph.D., London, 1841.  
*Linn, Dr. S. H.*, St. Petersburg, 1876.  
*Lobe, M. Guillaume*, Havana, Cuba, 1836.  
*Locke, John*, M.D., Cincinnati, Ohio, 1841.  
*Logan, Algernon Sidney*, Germantown, Pennsylvania, 1815.  
*Logan, Sir William E.*, Montreal, Canada, 1846.  
*Long, Stephen H.*, U. S. A., 1817.  
*Longchamps, Ed. de Selys*, Liege, 1842.  
*Lonsdale, William*, London, 1847.  
*Loriol, Perceval de*, Geneva, 1877.  
*Lovell, Joseph*, M.D., U. S. A., Washington, 1823.  
*Lucas, J. A. H. (fils)*, Paris, 1817.  
*Ludlow, W. L.*, Col. Engineers U. S. Army, 1876.  
*Lund, P. W.*, Denmark, 1849.  
*Lyell, Sir Charles*, London, 1832.  
*Lynch, William F.*, U. S. N., 1852.  
*Lyon, Sidney S.*, Indiana, 1863.

*Mabille, Jules*, Dinon, France, 1867.  
*Macartney, John P.*, E.D., City of Mexico, 1838.  
*Maccauley, Patrick*, M.D., Baltimore, 1816.  
*McCartee, D. B.*, M.D., China, 1861.  
*M'Clellan, Gen. George B.*, 1855.  
*MacCulloch, James*, M.D., London, 1829.  
*MDowell, Ephraim*, M.D., Danville, Kentucky, 1813.  
*Macfadyen, James*, M.D., Kingston, Jamaica, 1835.  
*McFarland, Rev. James*, 1838.  
*Macgillivray, William*, Edinburgh, 1831.  
*Macknevin, William J.*, M.D., New York, 1814.  
*MacLeay, William Sharp*, London, 1836.  
*MacOwan, Peter*, Somerset, South Africa, 1874.  
*Magnanos, Julian*, M.D., Norfolk, Virginia, 1812.  
*Malheiro, Prof. Laurengo*, Lisbon, Portugal, 1876.

Malherbe, Alfred, Metz, France, 1850.  
*Mangouri, M.*, Paris, 1812.  
Manigault, G. E., Charleston, S. C., 1866.  
*Mantell, Gideon A.*, LL.D., London, 1831.  
Mantovani, Prof., Paolo, Rome, 1875.  
Marcou, Prof. Jules, Zurich, 1860.  
Marin, Col. Juan J., Madrid, 1876.  
*Markoe, Francis*, Washington City, 1841.  
Marsh, Dexter, Greenfield, Massachusetts, 1852.  
Marsh, Geo. P., Florence, Italy, 1867.  
Marsh, O. C., New Haven, Conn., 1867.  
Martins, Charles, M.D., Paris, 1833.  
*Martius, Professor K. F. P. von*, Munich, Austria, 1832.  
Maskelyne, N. S., F.R.S., London, 1875.  
Mason, Owen, Providence, Rhode Island, 1841.  
*Mather, William W.*, Ohio, 1838.  
*Maury, M. F.*, U.S.N., 1852.  
*Maximilian, Prince of Wied*, 1864.  
*Meek, F. B.*, Washington, D. C., 1856.  
*Melsheimer, F. E.*, M.D., York County, Pennsylvania, 1843.  
*Melsheimer, Rev. Frederick Valentine*, Hanover, Pennsylvania.  
Menke, Charles Theodore, M.D., Pyrmont, Germany, 1837.  
*Mercier, M.*, Paris, 1812.  
*Meyer, Professor Hermann von*, Frankford, Germany, 1832.  
*Michaux, F. A.*, Paris, 1818.  
Michel, Myddleton, M.D., South Carolina, 1849.  
Michener, Ezra, M.D., New Garden, Pennsylvania, 1840.  
*Mighels, J. W.*, Portland, Maine, 1843.  
*Milbert, F.*, New York, 1821.  
*Miles, Professor Manly*, Lansing, Mich., 1864.  
Mintzer, Wm. A., Engineer Corps U. S. Navy, 1877.  
Miot, A. F., Comte de Milito, Paris, 1825.  
*Mitchell, Elisha*, Chapel Hill, North Carolina, 1832.  
*Mitchell, Prof. O. M.*, Cincinnati, Ohio, 1858.  
*Mitchell, Samuel L.*, LL.D., New York, 1812.  
Mivart, Prof. St. George, F.R.S., London, 1875.  
Moeller, Prof. Valerien de, St. Petersbng, 1877.  
Mohrenstein, G. S. Von, Vienna, 1867.  
Moleon, S. G. V. de, Paris, 1833.  
Monger, Johannes, Leipsic, 1822.  
*Montgomery, Alexander*, M.D., U. S. N., 1814.  
*Montgomery, Thomas W.*, M.D., New York, 1814.  
*Montral, Champvert*, Guadaloupe, 1812.  
Montrouzier, R. P., New Caledonia, 1867.  
Mörch, Prof. O. A. L., Copenhagen, 1867.  
Morelet, Arthur, Dijon, France, 1867.  
Morgan, Lewis H., Rochester, N. Y., 1865.

Morinier, Noel de la, Paris, 1819.  
Morphett, John, Adelaide, South Australia, 1845.  
Morris, Rev. John G., D.D., Baltimore, 1844.  
Morse, Edw. S., Portland, Maine, 1859.  
Mortimer, Capt. J. H., December, 1874.  
*Motschulsky, Col. Victor de*, St. Petersburg, 1854.  
*Mott, Valentine*, M.D., New York, 1814.  
Mousson, Albert, Zurich, 1839.  
Mneller, Baron Ferdinand von, Melbourne, Australia, 1876.  
*Müller, Professor John*, M.D., Berlin, 1845.  
*Müller (von), Baron Joh. Wm.*, 1856.  
*Muhlenberg, Rev. Henry*, Lancaster, Pennsylvania, 1812.  
*Murchison, Sir Roderick Impey*, London, 1832.  
*Murry, James W.*, Seville, Spain, 1814.  
Mylius, C., Kronstadt, 1822.

Nevill, George, Calentta, East Indies, 1868.  
Nevill, Hon. H., Galle, Ceylon, 1871.  
Newberry, J. S., M.D., New York, 1853.  
Newcomb, Wesley, M.D., Oakland, Calif., 1867.  
Newmann, Johann G., Gorlitz, 1859.  
Newton, Alfred, London, 1861.  
Nicholsky, Prof. L., St. Petersburg, 1877.  
Nicholson, Charles, M.D., Sidney, New South Wales, 1846.  
*Nicollet, J. N.*, Washington, D. C., 1842.  
Nilsson, Professor Sv., Lund, Sweden, 1847.  
*Nordmann, Alexander von*, St. Petersburg, 1854.  
Norman, Benjamin M., New Orleans, 1843.  
Norwood, J. G., M.D., Madison, Indiana, 1842.  
*Nott, Josiah C.*, M.D., Mobile, Alabama, 1845.  
*Nuttall, Thomas Sutton*, Lancashire, England, 1817.

*Oakes, William*, Ipswich, Massachusetts, 1830.  
*Oemler, Augustus J.*, Savannah, Georgia, 1812.  
*O'Kelly, Michael J.*, Dublin, Ireland, 1816.  
*Oken, Lorenz*, Basle, Switzerland, 1837.  
*Olmsted, Denison*, New Haven, 1828.  
Ombrosi, James, Florence, Italy, 1843.  
Orton, Prof. James, Rochester, N. Y., 1868. =  
Osten Sacken, Baron R. von, Russian Legation, New York, 1868.  
Otis, Geo. A., M.D., U. S. A., Washington, D. C., 1866.  
*Owen, David Dale*, M.D., New Harmony, Indiana, 1840.  
Owen, Prof. Richard, London, 1834.

Packard, Dr. A. S., Salem, Mass., 1876.

Palmer, John, Calcutta, 1817.

Parent, M., Paris, 1820.

Parker, W. Kitchen, F.R.S., London, 1868.  
*Parkes, Samuel*, London, 1821.  
*Parsons, Usher*, M.D., Providence, Rhode Island, 1838.  
Peirce, Prof. Benj., Cambridge, Mass., 1858.  
*Pentland, J. Barclay*, London, 1821.  
*Percival, James G.*, M.D., New Haven, Connecticut, 1843.  
*Perkins, Jacob*, Newburyport, Massachusetts, 1813.  
*Perley, M. H.*, St. Johns, New Brunswick, 1852.  
Peter, Robert, M.D., Lexington, Kentucky, 1835.  
Peters, Prof. Wilhelm C. H., Berlin, 1875.  
Petit de la Saussaye, Paris, 1867.  
Pfeiffer, Louis, M.D., Cassel, 1867.  
Philippi, R. A., M.D., Santiago, Chili, 1867.  
*Phillips, John*, York, England, 1843.  
Pickering, Charles, M.D., Boston, 1826.  
Piddington, Henry, Calcutta, 1836.  
Pierpont, William, Barbadoes, 1812.  
Pinart, M. Alphonse, Paris, 1876.  
*Pinel, M.*, M.D., Paris, 1815.  
*Pitcher, Zina*, M.D., Detroit, 1830.  
Planchon, Prof. J. E., Montpelier, France, 1873.  
Playfair, Col. R. L., Algiers, 1870.  
Pleasants, Henry, Pottsville, Penna., 1867.  
Pleasonton, Alfred, U. S. A., 1857.  
Poey, Prof. F., Havana, 1867.  
*Poinsett, Joel R.*, South Carolina, 1829.  
*Poli, Joseph Harrier*, M.D., Naples, 1820.  
Porcher, Francis P., M.D., Charleston, S. C., 1849.  
Porta, Prof. Luigi Bombecchi, Bologna, Italy, 1875.  
Porter, Prof. T. C., Easton, Pennsylvania, 1853.  
Porter, T. D., M.D., Columbia, South Carolina, 1822.  
Postell, Jas., St. Simons Isle, Georgia, 1859.  
*Pouchet, Professor F. A.*, Rouen, France, 1842.  
Poutrel, Alexander, Guadaloupe, West Indies, 1812.  
Powell, J. W., Washington, D. C., 1872.  
*Pratt, Henry*, New Harmony, Indiana, 1854.  
*Prévost, Constant*, Paris, 1823.  
*Prichard, James Cowles*, M.D., Bristol, England, 1838.  
Prime, Temple, New York, 1862.  
*Prinsep, James*, Calcutta, 1836.  
*Prout, Hiram A.*, M.D., St. Louis, 1854.  
Putnam, F. W., Salem, Mass., 1867.  
*Quinby, J. B.*, 1836.  
Raimondi, Antonio, M.D., Lima, Peru, 1867.  
Rammelsberg, Prof. C. F., Berlin, 1859.  
*Randall, John*, M.D., Boston, 1816.

Randall, John W., Boston, 1837.  
*Ranzani, Camillo*, Bologna, 1827.  
Rathvon, S. S., Lancaster, Pennsylvania, 1845.  
Rauch, John H., Burlington, Iowa, 1856.  
*Ravenel, Edmund*, M.D., Charleston, South Carolina, 1832.  
Ravenel, Henry W., South Carolina, 1849.  
Reclûz, M. C., Paris, 1867.  
*Redfield, William C.*, New York, 1841.  
*Reeve, Lovell, F.L.S.*, London, 1862.  
Reichenbach, Professor H. G. L., Dresden, 1836.  
Reinhardt, Prof. J., Copenhagen, 1867.  
Reinhardt, J. C., M.D., Brazil, 1845.  
*Reinwardt, Prof. C. G. C.*, Leyden, 1821.  
*Rémond de Corbineau, Auguste*, San Francisco, Cal., 1863.  
Retzius, Professor, Andreas, Stockholm, 1846.  
*Reynolds, F. N.*, New York, 1837.  
*Reynolds, Henry S.*, M.D., U. S. N., 1835.  
Reynolds, Wm. F., U. S. T. E., 1862.  
Rhea, Matthew, Columbia, Tennessee, 1832.  
Rich, William, Boston, Massachusetts, 1845.  
*Richardson, Sir John*, M.D., London, 1832.  
Richtofen, Baron Ferdinand Freihern von, Berlin, 1877.  
Ricord, Alexander, Paris, 1823.  
Ricord, Phillippe, Paris, 1823.  
*Riddell, John L.*, M.D., New Orleans, 1836.  
Rijgersma, H. Evan, M.D., St. Martins, W. I., 1868.  
Riley, Charles V., St. Louis, Mo., 1873.  
Riley, William, M.D., Baltimore, 1833.  
*Rio, Prof. Andres del*, Mexico, 1849.  
*Risso, J. A.*, Nice, France, 1818.  
Riviere, E., Menton, France, 1872.  
*Robb, James*, Fredericton, New Brunswick, 1846.  
Römer, Prof. Edward von, Marburg, 1859.  
Römer, Ferdinand, M.D., Bonn, 1859.  
Roepper, Wm. Theo., Bethlehem, Penn., 1865.  
Roesler, A. R., Washington, D. C., 1868.  
Rogers, W. B., Boston, 1833.  
Rolleston, Prof. George, F.R.S., Oxford, England, 1875.  
Romanowsky, Lt.-Col. Hennadius, St. Petersburg, 1865.  
*Rose, Robert H.*, M.D., Silver Lake, Pennsylvania, 1833.  
Ross, Bernard R., Hudson's Bay Co.'s Service, 1861.  
*Roxburgh, William*, M.D., Calcutta, 1812.  
*Rucco, Julius*, M.D., Naples, 1820.  
Rüppel, Edward, M.D., Frankfort, Germany, 1830.  
Rutemeyer, Prof. Ludwig, Basle, 1877.  
Rutherford, Lewis M., New York, 1859.

Sager, Abram, M.D., Detroit, 1839.  
*Sagra, Ramon de la*, Madrid, 1829.  
*St. Fonds, M. Faujas de*, Paris, 1812.  
*St. Hilaire, Geoffrey*, Paris, 1818.  
 Saldanha da Gama, José de, Rio Janeiro, 1876.  
 Saldanha da Gama, Luiz de, Imperial Navy of Brazil, 1876.  
 Salvin, Osbert, London, 1867.  
 Sandberger, Fridolin, M.D., Wiesbaden, 1855.  
*Sandberger, Guido*, M.D., Wiesbaden, 1855.  
 Santos, C. A., Rio de Janeiro, 1855.  
 Saussure, Henri de, Geneva, 1859.  
 Sauvalle, F. A., Cuba, 1855.  
 Savage, Rev. Thomas S., M.D., Natchez, 1846.  
 Savi, Professor Paolo, Pisa, 1827.  
 Saynisch, Lewis, M.D., Tioga, Pennsylvania, 1836.  
 Scammon, Capt. C. M., San Francisco, California, 1872.  
*Schaum, H.*, M.D., Berlin, 1852.  
 Schimper, Prof. W. P., Strasburg, 1859.  
*Schoolcraft, Henry R.*, Washington, 1820.  
 Schouw, Professor J. Frederick, Ph.D., Copenhagen, 1848.  
 Schreibers, Charles Von, Vienna, 1818.  
 Schwaegrichen, Professor Fredk., M.D., Leipsic, 1836.  
*Schweinitz, Rev. Lewis D. Von*, Ph.D., Bethlehem, Pennsylvania, 1822.  
 Selater, Philip Lutley, London, 1856.  
*Scoresby, Rev. William*, Yorkshire, England, 1848.  
 Scott, Andrew, M.D., Newbern, North Carolina, 1815.  
 Scudder, Saml. H., M.D., Boston, Mass., 1867.  
 Sealey, James, Cork, Ireland, 1820.  
 Sedgwick, Rev. Adam, London, 1843.  
*Selby, John Prideaux*, Northumberland, England, 1847.  
*Serres, Marcel de*, Montpellier, France, 1832.  
 Sewer, A. P., Lyons, 1867.  
*Shannon, John, Bearer*, Pennsylvania, 1831.  
 Sharpey, William S., London, 1849.  
 Sheldon, Prof. D. S., Davenport, Iowa, 1862.  
 Shepard, Charles U., New Haven, 1828.  
*Short, Charles W.*, M.D., Lexington, Kentucky, 1831.  
*Showalter, E. R.*, M.D., Uniontown, Ala., 1861.  
 Shumard, Benjamin F., M.D., St. Louis, 1848.  
 Siebold, Carl Theo. von, Munich, 1859.  
 Siler, A. L., Osmer, Utah, 1874.  
*Silliman, Benjamin*, M.D., LL.D., New Haven, 1815.  
 Silliman, Benjamin, Jr., New Haven, 1841.  
 Sims, Howard, Baltimore, Maryland, 1817.  
 Sinclair, Wm., Glasgow, 1866.  
 Skinner, Ezekiel, M.D., Liberia, 1837.  
 Smallwood, Prof. Chas., M.D., Montreal, 1860.

*Smith, Lt.-Col. Charles Hamilton, London, 1846.*  
*Smith, J. Brown, California, 1852.*  
*Smith, J. Lawrence, Louisville, Kentucky, 1846.*  
*Smith, Robert, St. Thomas, West Indies, 1851.*  
*Solar, Jose del, Lima, 1855.*  
*Sorby, Henry Clifton, Sheffield, Eng., 1858.*  
*Southern, William, M.D., Maryland, 1812.*  
*Souverbie, M., Bordeaux, 1867.*  
*Sowerby, George B., London, 1841.*  
*Sowerby, G. B., F.L.S., London, 1865.*  
*Spach, Prof. Edouard, Paris, 1862.*  
*Sparrman, Andreas, Univ. Upsal, 1818.*  
*Spillman, Wm., M.D., Columbus, Miss., 1857.*  
*Spinner, Hon. F. E., Washington, 1863.*  
*Squier, George E., New York, 1847.*  
*Stabile, Abbe Joseph, Milan, 1867.*  
*Stacey, Col. L. R., Calentta, 1838.*  
*Stauffer, Jacob, Lancaster, Penna., 1866.*  
*Stearns, R. E. C., San Francisco, Cal., 1867.*  
*Stein, Dr. Friedrich, Prague, 1862.*  
*Steiner, Lewis H., M.D., Frederick, Md., 1855.*  
*Steinhauer, Rev. Henry, Bethlehem, Pennsylvania.*  
*Stemberg, Gaspard, Comte de, Bohemia, 1821.*  
*Stephens, John L., New York, 1843.*  
*Sternberg, George M., U. S. A., 1872.*  
*Stevens, Alexander H., M.D., New York, 1819.*  
*Stevens, Edward, T., Salisbury, England, 1876.*  
*Stevenson, James, U. S. Geological Survey, 1874.*  
*Stevenson, John Jas., Morgantown, West Virginia, 1870.*  
*Stodder, Chas., Boston, 1865.*  
*Stoliczka, Dr. Ferdinand, Calcutta, 1868.*  
*Storer, D. Humphreys, M.D., Boston, 1839.*  
*Strau, Lt. Isaac G., U.S.N., 1843.*  
*Stretch, R. H., San Francisco, California, 1868.*  
*Strickland, Hugh E., London, 1848.*  
*Sturm, Jacob, M.D., Nuremberg, 1847.*  
*Styles, John, M.D., New York, 1834.*  
*Suckley, George, M.D., New York, 1855.*  
*Suess, Prof. Edward, Vienna, 1859.*  
*Sullivan, William S., Ohio, 1844.*  
*Swainson, William, New Zealand, 1830.*  
*Swallow, G. C., Colombia, Mo., 1859.*  
  
*Tait, Charles, Claiborne, Alabama, 1832.*  
*Tannau, Professor Frederick, Berlin, 1839.*  
*Tappan, Benjamin, Ohio, 1842.*  
*Tate, Ralph, London, England, 1868.*

Taylor, Julius S., M.D., Carrollton, Ohio, 1845.  
*Temminck, Conrad Jacob*, Leyden, 1824.  
*Thackara, J. M. S.*, Punca, Peru, 1866.  
*Thomas E.*, Baltimore, 1816.  
Thompson, Allan, M.D., Edinburgh, 1834.  
*Thompson, William*, Belfast, Ireland, 1848.  
Thounson, John H., New Bedford, Mass., 1862.  
*Thornton, William*, M.D., Washington, 1812.  
Thurber, Geo., New York, 1861.  
*Tiedmann, Professor F.*, M.D., Heidelberg, 1848.  
*Tilden, Joseph*, Boston, Massachusetts, 1812.  
Tittel, Prof. Karl A., Munich, 1875.  
Tomes, John, F.R.S., London, 1868.  
*Torrey, John*, M.D., New York, 1822.  
*Totten, Jos. G.*, U. S. A., 1830.  
*Traill, Thomas Stewart*, M.D., Edinburgh, 1835.  
Traue, Dr. Thos. K., Edinburgh, 1873.  
Trantschold, H., Moscow, 1877.  
Travers, John, Jr., Lisbon, 1814.  
Tremper, Jacob C., Yates County, New York, 1845.  
Trescott, John S., M.D., Charleston, South Carolina, 1818.  
*Trimble, James*, M.D., Williamsburg, Pennsylvania, 1836.  
*Trinius, Professor*, M.D., St. Petersbnrg, Russia, 1836.  
Tröschel, Prof. F. H., Bonn, 1867.  
Tuckerman, Edward, Cambridge, Massachusetts, 1848.  
*Tuomey, M.*, Tuscaloosa, Alabama, 1845.  
*Turner, John*, Maryland, 1814.  
Turner, Dr. Theophilus H., U. S. A., 1868.  
Twigg, William A., New Harmony, Indiana, 1841.  
  
*Unanue, Hippolito*, M.D., Lima, Peru, 1821.  
*Ure, Andrew*, M.D., Glasgow, 1829.  
  
Vaillant, Leon, M.D., Paris, 1867.  
Van Beneden, P. J., Bruxelles, 1864.  
*Vancleave, John*, Dayton, Ohio, 1843.  
Van Hoorebeke, Charles Joseph, Ghent, 1821.  
Van Rensselaer, Jeremiah, M.D., New York, 1829.  
Van Reusselaer, Stephen, Albany, New York, 1835.  
Vargas, Jose Maria, M.D., Caracas, Venezuela, 1835.  
*Vauquelin, M.*, Paris, 1818.  
*Verneuil, Edouard de*, Paris, France, 1846.  
*Verreaux, Jules*, Paris, 1848.  
Vogdes, A. W., U. S. Army, 1877.  
*Voltz, Louis Phillippe*, Strasburg, Germany, 1833.

Wagner, Professor A., Munich, 1852.  
Wailes, B. L. C., Washington, Mississippi, 1854.  
Waldheim, *Fischer de*, Moscow, 1848.  
Wallich, Nathaniel, M.D., Calcutta, 1819.  
Walsh, Benjamin D., Illinois, 1861.  
Ward, Malthus A., M.D., Athens, Georgia, 1832.  
Warder, John A., M.D., Cincinnati, Ohio, 1842.  
Warren, John C., M.D., Boston, Massachusetts, 1842.  
Webber, Samuel, M.D., New Hampshire, 1851.  
Webster, John W., M.D., Cambridge, Massachusetts, 1814.  
Wetherill, Samuel R., Burlington, New Jersey, 1814.  
Wheelwright, Joseph, M.D., Kentucky, 1814.  
Whitney, J. D., Boston, 1852.  
Wiedeman, D. R. G., M.D., Kiel, Germany, 1823.  
Wilder, Burt G., Ithaca, N. Y., 1873.  
Willis, John R., Halifax, Nova Scotia, 1867.  
Wilson, Edward, Pembrokeshire, Wales, 1846.  
Wilson, Hon. J. S., Washington, D. C., 1868.  
Winchell, Alexander H., Ann Arbor, Mich., 1867.  
Winslow, R. K., Cleveland, Ohio, 1854.  
Wisely, J. J., M.D., Sioux Falls, Dakota Territory, 1866.  
Wister, Charles J., Germantown, Pennsylvania, 1814.  
Wood, Alphonso, Brooklyn, N. Y., 1867.  
Wood, W. Maxwell, M.D., U.S.N., 1847.  
Woodworth, John M., Chicago, 1861.  
Worth, James, Bucks County, Pennsylvania, 1823.  
Wray, Thomas J., M.D., Augusta, Georgia, 1818.  
Wright, W. W., York Springs, Pa., 1859.  
Wyman, Jeffries, M.D., Boston, Massachusetts, 1844.  
Wynne, James, M.D., New York, 1861.  
  
Yarrell, William, London, 1829.  
Yorke, Gen. L. E., Cincinnati, Ohio, 1871.  
  
Zaremba, C. William, St. Joseph's, Mich., 1867.  
Ziegler, Rev. Daniel, York, Pennsylvania, 1844.  
Zimmerman, Chs., M.D., Columbia, South Carolina, 1836.  
Zollickoffer, William, M.D., Middletown, Maryland, 1834.  
Zuccarini, Professor Joseph G., Munich, Bavaria, 1846.

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## T R E A S U R E R .

WM. C. HENSZEY.

## L I B R A R I A N .

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WM. H. DOUGHERTY,	GEORGE A. KOENIG, Ph.D.,
AUBREY H. SMITH,	GEORGE H. HORN, M.D.,
EDW. S. WHELEN,	JOSEPH WHARTON,
R. S. KENDERDINE, M.D.,	CHARLES P. PEROT.

## F I N A N C E C O M M I T T E E .

WM. S. VAUX, AUBREY H. SMITH,  
EDW. S. WHELEN.

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PROFESSOR OF HISTOLOGY AND MICROSCOPIC TECHNOLOGY.

J. GIBBONS HUNT, M.D.

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OF THE

ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA,  
JUNE 30, 1877.

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Vice-Director, . . . . .	JAMES TYSON.
Recorder, . . . . .	CARL SEILER.
Secretary, . . . . .	J. H. MCQUILLEN.
Treasurer, . . . . .	ISAAC NORRIS, JR.
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Vice-Director, . . . . .	WM. M. GABB.
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Secretary, . . . . .	Rev. E. R. BEADLE.
Treasurer, . . . . .	WM. L. MACTIER.
Librarian, . . . . .	EDWARD J. NOLAN.
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Secretary, . . . . .	C. A. BLAKE.
Treasurer, . . . . .	E. T. CRESSON.
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Secretary, . . . . .	HENRY LEFFMAN.
Treasurer, . . . . .	JOSE O. SCHIMMEL.
Conservator, . . . . .	JOHN H. REDFIELD.

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Secretary, . . . . .	ALEXANDER WILCOCKS.
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Conservator, . . . . .	E. GOLDSMITH.

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Recorder, . . . . .	H. C. LEWIS.
Secretary, . . . . .	H. C. LEWIS.
Treasurer, . . . . .	WM. S. VAUX.
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### PRESIDENTS.

	<i>Elected</i>	<i>Served until</i>
Gerard Troost, M.D.,	Jan. 25, 1812,	Dec. 1817.
William Maclure,	Dec. 31, 1817,	Mar. 23, 1840.*
William Hembel,	May 26, 1840,	Dec. 1849.
Samuel George Morton, M.D.,	Dec. 1849,	May 15, 1851.*
George Ord,	" 1851,	Dec. 1858.
Isaac Lea, LL.D.,	" 1858,	" 1863.
Thomas B. Wilson, M.D.,	" 1863,	June 28, 1864.
Robert Bridges, M.D.,	" 1864,	Dec. 1865.
Isaac Hays, M.D.,	" 1865,	" 1869.
W. S. W. Ruschenberger, M.D.,	" 1869.	

### VICE-PRESIDENTS.

John Shinn, Jr.,	Jan. 25, 1812,	Dec. 31, 1816.
N. S. Parmentier,	" 1812,	" 26, 1815.
Zaccheus Collins,	Dec. 26, 1815,	June 13, 1831.*
George Ord,	" 31, 1816,	Dec. 1834.
Wm. Hembel,	July 26, 1831,	May 28, 1840.
John Price Wetherill,	Dec. 1834,	July, 1853.*
Sam'l Geo. Morton, M.D.,	May 28, 1840,	Dec. 1849.
R. Eglesfield Griffith, M.D.,	Dec. 1849,	June 26, 1850.*
Robert Bridges, M.D.,	Sept. 24, 1850,	Dec. 1864.
Isaac Lea,	Dec. 1853,	" 1858

\* Died.

	<i>Elected</i>	<i>Served until</i>
John Le Conte,	Dec. 1858,	Nov. 21, 1860.*
William S. Vaux,	" 1860,	Dec. 1874.
John Cassin,	" 1864,	Jan. 1869.*
W. S. W. Ruschenberger, M.D.,	Jan. 26, 1869,	Dec. 1869.
Joseph Carson, M.D.,	Dec. 1869.	" 1875.
John L. Le Conte, M.D.,	" 1874.	
William S. Vaux,	" 1875.	

## CORRESPONDING SECRETARIES.

Robert Hare, M.D.,	Dec. 28, 1813,	Feb. 15, 1814.
Reuben Haines,	Feb. 15, 1814,	Dec. 1831.
Sam'l Geo. Morton, M.D.,	Dec. 1831,	May 28, 1840.
Robert Bridges, M.D.,	May 28, 1840,	Dec. 1841.
Walter R. Johnson,	Dec. 1841,	" 1848.
John Cassin,	" 1848,	" 1852.
John L. Le Conte, M.D.,	" 1852,	" 1859.
Thomas Stewardson, M.D.,	" 1859,	" 1866.
Joseph Jeanes,	" 1866,	Feb. 26, 1867.
Harrison Allen, M.D.,	Feb. 26, 1867,	Jan. 28, 1868.
Edward D. Cope,	Jan. 28, 1868.	Dec. 26, 1876.
Geo. H. Horn, M.D.,	Dec. 26, 1876.	

## RECORDING SECRETARIES.

Camillus Macmahon Mann, M.D.,	Jan. 25, 1812,	Dec. 1812.
John Barnes, M.D.,	Dec. 5, 1812,	Aug. 1813.
Benjamin Say,	Aug. 24, 1813,	Mar. 1, 1814.
John Barnes, M.D.,	Mar. 8, 1814,	Dec. 30, 1817.
Edward Barton, M.D.,	Dec. 30, 1817,	" 28, 1819.
Franklin Bache, M.D.,	" 29, 1819,	" 25, 1821.
Wm. H. Keating, M.D.,	" 25, 1821,	Dec. 1825.
S. G. Morton, M.D.,	Dec. 1825,	" 1829.
Thomas McEuen, M.D.,	" 1829,	" 1835.
Thomas D. Mutter, M.D.,	" 1835,	" 1836.
Joseph Carson, M.D.,	" 1836,	June 20, 1837.
Thomas Stewardson, M.D.,	June 1837,	Jan. 7, 1840.
A. D. Chaloner, M.D.,	Feb. 4, 1840,	Dec. 1841.

\* Died.

	<i>Elected</i>		<i>Served until</i>
Wm. S. Zantzinger, M.D.,	Dec. 1841,		Dec. 1846.
Theodore F. Moss,	“ 1846,		Sept. 28, 1847.
John Lambert,	Oct. 26, 1847,		Dec. 1848.
William Gambel, M.D.,	Dec. 1848,		“ 1849.
Samuel Powel,	“ 1849,		“ 1851.
B. Howard Rand, M.D.,	“ 1851,		Oct. 31, 1855.
H. C. Wood, Jr., M.D.,	Oct. 31, 1865,		Feb. 26, 1867.
Samuel B. Howell, M.D.,	Feb. 26, 1867,		Dec. 1874.
Edward J. Nolan, M.D.,	Dec. 1874.		

## TREASURERS.

John Speakman,	Dec. 28, 1813,	April 26, 1814.
Wm. S. Warder,	Nov. 29, 1814,	Feb. 1815.
Richard Randolph,	Feb. 7, 1815,	Dec. 1815.
Benjamin Say,	Dec. 26, 1815,	July 30, 1816.
Jacob Gilliams,	July 30, 1816,	Dec. 1826.
George W. Carpenter,	Dec. 1826,	June 7, 1860.*
William C. Henszey,	June 26, 1860.	

## LIBRARIANS.

John Speakman,	Nov. 29, 1814,	Dec. 26, 1815.
Caleb Richardson,	Dec. 26, 1815,	“ 30, 1817.
Jacob Pierce,	“ 30, 1817,	Dec. 1826.
S. W. Conrad,	Dec. 1826,	“ 1829.
Charles Pickering, M.D.,	“ 1829,	“ 1833.
Paul Beck Goddard, M.D.,	“ 1833,	“ 1834.
Joseph Carson, M.D.,	“ 1834,	“ 1836.
Robert Bridges, M.D.,	“ 1836,	May 1839.
Alfred Langdon Elwyn, M.D.,	May, 1839,	Dec. 1845.
Joseph Leidy, M.D.,	Dec. 1845,	“ 1846.
Wm. S. Zantzinger, M.D.,	“ 1846,	July 29, 1856.
J. Aitken Meigs, M.D.,	Aug. 1856,	May 31, 1859.
James C. Fisher, M.D.,	June 28, 1859,	Aug. 27, 1861.
R. E. Griffith, M.D.,	Dec. 1861,	Jan. 28, 1862.
J. D. Sergeant,	Jan. 28, 1862,	Dec. 1867.
Edward J. Nolan, M.D.,	Dec. 1867.	

\* Died.

## CURATORS.

	<i>Elected</i>	<i>Served until</i>
Thomas Say,	Mar. 1812,	Dec. 1826.
Isaiah Lukens,	Dec. 28, 1813,	Dec. 26, 1815.
Jacob Gilliams,	" 26, 1815,	" 31, 1816.
George Ord,	" 26, 1815,	" 30, 1817.
Lardner Vanuxem,	" 31, 1816,	" 30, 1817.
Titian R. Peale,	" 30, 1817,	" 28, 1819.
C. A. Le Sueur,	" 30, 1817,	Dec. 1825.
J. Price Wetherill,	" 28, 1819,	" 1825.
Thomas McEuen, M.D.,	" 26, 1820,	" 1821.
Isaac Hays, M.D.,	" 25, 1821,	" 1831.
Richard Harlan, M.D.,	" 28, 1819,	Dec. 25, 1821.
T. R. Peale,	Dec. 1825,	Dec. 1831.
John Vaughan,	" 1825,	" 1827.
J. P. Wetherill,	" 1826,	" 1835.
Isaiah Lukens,	" 1827,	" 1829.
Thomas McEuen, M.D.,	" 1829,	" 1839.
Samu'l G. Morton, M.D.,	" 1831,	" 1832.
Chas. A. Poulson,	" 1831,	" 1834.
Chas. Pickering, M.D.,	" 1833,	" 1837.
Isaiah Lukens,	" 1834,	" 1835.
Paul Beck Goddard, M.D.,	" 1834,	" 1835.
Walter R. Johnson,	" 1835,	" 1837.
T. A. Conrad,	" 1835,	" 1836.
Edward Hallowell, M.D.,	" 1836,	" 1839.
William Blanding, M.D.,	" 1837,	" 1838.
Thomas Nuttall,	" 1837,	" 1838.
Wm. S. Vaux,	" 1838,	
Robert Pearsall,	" 1838,	Dec. 1842.
J. K. Townsend,	" 1839,	" 1840.
G. C. Leib,	" 1839,	" 1841.
John S. Phillips,	" 1840,	" 1843.
Samuel Ashmead,	" 1841,	" 1858.
John Cassin,	" 1842,	Jan. 1869.*
Gavin Watson, M.D.,	" 1843,	Dec. 1845.

\* Died.

	<i>Elected</i>		<i>Served until</i>
John K. Townsend, M.D.,	Dec.	1845,	Dec. 1846.
Joseph Leidy, M.D.,	"	1846.	
J. D. Sergeant,	"	1858,	Dec. 1865.
E. D. Cope,	"	1865,	" 1873.
George W. Tyron, Jr.,	Jan. 26, 1869,		July 1876.
Charles F. Parker,	Dec.	1873.	
Henry C. Chapman, M.D.,	Aug. 8, 1876.		

## AUDITORS.

John Speakman,	Sept. 6, 1814,	Dec. 31, 1816.
Benjamin Say,	" 6, 1814,	" 26, 1820.
Richard Randolph,	" 6, 1814,	" 26, 1820.
R. E. Griffith, M.D.,	Dec. 31, 1816,	" 26, 1820.
Joseph H. Dulles,	" 26, 1820,	Dec. 1823.
Isaac Lea,	" 26, 1820,	" 1823.
Caleb Carmalt,	" 26, 1820,	Dec. 25, 1821.
R. E. Griffith, M.D.,	" 25, 1821,	Dec. 1824.
W. S. Warder,	Dec. 1823,	" 1824.
J. M. Brewer,	" 1823,	" 1825.
S. G. Morton, M.D.,	" 1824,	" 1826.
J. Dobson,	" 1824,	" 1829.
Geo. W. Carpenter,	" 1825,	" 1826.
S. V. Merrick,	" 1826,	" 1829.
W. M. Walmsley,	" 1826,	" 1827.
C. W. Pennock, M.D.,	" 1827,	" 1829.
C. Hedelius,	" 1829,	" 1832.
Thomas McEuen, M.D.,	" 1829,	" 1831.
P. B. Goddard, M.D.,	" 1829,	" 1832.
William Norris, Jr.,	" 1831,	" 1832.
Walter R. Johnson,	" 1832,	" 1835.
Daniel Steinhauer,	" 1832,	" 1833.
Robert E. Peterson,	" 1832,	" 1835.
Thomas D. Mütter, M.D.,	" 1833,	" 1836.
Robert E. Peterson,	" 1836,	" 1839.
Algernon S. Roberts,	" 1836,	" 1837.
Wm. S. Vaux,	" 1836,	" 1852.
A. D. Chaloner, M.D.,	" 1837,	" 1838.
R. Pearsall,	" 1838,	" 1857.

	<i>Elected</i>	<i>Served until</i>
R. Peters,	Dec. 1839,	Dec. 1840.
A. D. Chaloner, M.D.,	" 1840,	" 1842.
W. S. Zantzinger, M.D.,	" 1842,	" 1843.
Robert Bridges, M.D.,	" 1843,	" 1849.
Samuel Ashmead,	" 1849,	" 1852.
A. L. Elwyn, M.D.,	" 1852,	" 1854.
James C. Fisher, M.D.,	" 1852,	" 1855.
Samuel Ashmead,	" 1854,	" 1858.
William S. Vaux,	" 1855,	" 1869.
Joseph Jeanes,	" 1857,	" 1869.
Aubrey H. Smith,	" 1858,	" 1869.

## COMMITTEE ON FINANCE.

Robert Bridges, M.D.,	Dec. 1869.
Wm. S. Vaux,	" 1869.
Aubrey H. Smith,	" 1869.

## PUBLICATION COMMITTEE.

March 25, 1817, a committee was appointed to devise a plan and make arrangements to publish a Journal. It consisted of Wm. Maclure, Thomas Cooper, M.D., Robt. M. Patterson, M.D., Thomas Say, Reuben Haines, George Ord, Thomas Nuttall, and Joseph H. Dulles. These eight gentlemen served until December 1818. Then a publication committee, which included three of them, was elected.

On the 20th of May, 1817, the first part of the Journal of the Academy of Natural Sciences of Philadelphia was reported ready to be distributed.

George Ord,	Dec. 1, 1818,	Jan. 30, 1821.
Thomas Say,	" 29, 1818,	Dec. 1825.
R. E. Griffith, M.D.,	" 29, 1818,	May 4, 1819.
Thomas Nuttall,	Jan. 30, 1821,	Dec. 1822.
Joseph H. Dulles,	Dec. 29, 1818,	" 1821.
Isaac Hays, M.D.,	Jan. 30, 1821,	" 1825.
Isaac Lea,	" 30, 1821,	" 1825.
R. E. Griffith, M.D.,	Dec. 25, 1821,	" 1825.
Zaccheus Collins,	Mar. 30, 1819,	Jan. 30, 1821.
W. H. Keating,	Dec. 1822,	Dec. 1825.
S. G. Morton, M.D.,	" 1825,	" 1829.
J. P. Wetherill,	" 1825,	" 1829.
William Wetherill, M.D.,	" 1825,	" 1829.

	<i>Elected</i>	<i>Served until</i>
J. P. Smith,	Dec. 1825,	Dec. 1829.
R. Harlan, M.D.,	" 1825,	" 1829.
Thos. McEuen, M.D.,	" 1829,	" 1832.
S. W. Conrad,	" 1829,	" 1831.
C. Pickering, M.D.,	" 1829,	" 1833.
I. Lukens,	" 1829,	" 1831.
Charles A. Poulson,	" 1831,	" 1835.
George Ord,	" 1832,	" 1833.
Alfred Langdon Elwyn, M.D.,	" 1833,	" 1845.
Thomas F. Betton, M.D.,	" 1833,	" 1835.
Wm. P. Gibbons, M.D.,	" 1833,	" 1836.
Thos. McEuen, M.D.,	" 1835,	" 1839.
H. D. Rogers,	" 1835,	" 1836.
Walter R. Johnson,	" 1836,	" 1837.
Joseph Carson, M.D.,	" 1836,	" 1841.
Edward Hallowell, M.D.,	" 1836,	" 1837.
Lewis C. Gunn,	" 1837,	" 1839.
Robert Bridges, M.D.,	" 1837,	" 1838.
T. A. Conrad,	" 1838,	" 1840.
G. C. Leib,	" 1839,	" 1840.
Ed. Hallowell, M.D.,	" 1839,	" 1843.
Wm. S. Vaux,	" 1840,	
John Simmons,	" 1840,	" 1841.
John S. Phillips,	" 1841,	" 1844.
W. S. Zantzinger, M.D.,	" 1841,	" 1843.
T. A. Conrad,	" 1843,	" 1845.
E. Draper,	" 1843,	" 1844.
A. E. Jessup,	" 1844,	" 1846.
John Simmons,	" 1843,	" 1845.
Walter R. Johnson,	" 1845,	" 1848.
Samuel Ashmead,	" 1845,	" 1849.
William Gaubel, M.D.,	" 1845,	" 1849.
Thos. B. Wilson, M.D.,	" 1846,	" 1847.
Robt. E. Griffith, M.D.,	" 1847,	June 26, 1850.*
Sam'l Geo. Morton, M.D.,	" 1848,	May 15, 1851.*

\* Died.

	<i>Elected</i>		<i>Served until</i>
Thomas B. Wilson, M.D.,	Dec. 1849,	Dec.	1853.
Robert Bridges, M.D.,	" 1849,	"	1872.
Samuel Powel,	" 1850,	"	1851.
Isaac Lea, LL.D.,	" 1851,	"	1865.
W. S. W. Ruschenberger, M.D.,	" 1851,	Sept.	1854.
H. C. Hanson,	" 1853,	Dec.	1857.
Joseph Leidy, M.D.,	" 1854,		
W. S. W. Ruschenberger, M.D.,	" 1857,	July 26,	1860.
Thomas Stewardson, M.D.	" 1860,	Dec	1865.
George W. Tryon, Jr.,	" 1865,	"	1868.
John Cassin,	" 1865,	Jan.	1869.*
Edward J. Nolan, M.D.,	" 1868,	Dec.	1875.
James Tyson, M.D.,	1869,	"	1870.
George W. Tryon, Jr.,	Dec. 1870,		
W. S. W. Ruschenberger, M.D.	" 1872,		
George H. Horn, M.D.,	" 1875.		

## COUNCILORS.†

Isaac Lea, LL.D.,	Dec.	1869,	Dec.	1874.
Isaac Hays, M.D.,	"	1869,	"	1874.
Robert Bridges, M.D.,	"	1869,	May 16,	1876.
Edward S. Whelen,	"	1869,		
John L. Le Conte, M.D.,	"	1874,	Feb. 23,	1875.
R. S. Kenderdine, M.D.,	"	1874.		
George H. Horn, M.D.,	Feb. 23,	1875.		
J. H. Redfield,	May 16,	1876.		
J. G. Hunt, M.D.,	"	"		
Joseph Wharton,	"	"		
Joseph Jeanes,	"	"		
George A. Koenig, Ph.D.,	"	"		
George Vaux,	"	"		
J. S. Haines,	"	"		
W. H. Dougherty,	"	"		
Harrison Allen, M.D.,	"	"		

\* Died.

† From 1869 until May, 1876, the council consisted of the officers of the Academy and four councilors, elected annually for one year. Now there are twelve councilors: four to be elected annually for three years.











